

Work Order ID 147009

147009

Page 1

Wednesday, May 25, 2016 1:12:22 PM

Item ID: D139-1012-041

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: AW139 Cargo Net Assembly

Start Date: 5/25/2016 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 6/30/2016 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: DAS 13 Date: MAY 25 2016 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D139-1012-041	B

100

0.00

100

Purchasing

Purchasing

Memo

Issue P/O: 32265
Manufacture as per Dwg
Possible supplier: TULMAR

0.00

MAY 25 2016

DAS
13
9-89

PARTS INCLUDED IN D139-1012-041:

QTY 4 D5256-041 ✓
QTY 2 D5256-3 ✓
QTY 6 D5289-041 ✓
QTY 1 D5289-043 ✓
QTY 1 D5289-045 ✓
QTY 1 D5289-047 ✓
QTY 1 D5366-041 ✓

Material release note is required.

Work Order ID 147009

147009

Page 2

Wednesday, May 25, 2016 1:12:22 PM

Item ID: D139-1012-041

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: AW139 Cargo Net Assembly

Start Date: 5/25/2016 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 6/30/2016 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00							
Quality Control	* inspected cargo not only								
130	Identify as per dwg & Stock Location: _____	0.00							
130									
Packaging	Memo	0.00							
Packaging									

1X 8/16-6-23

① 16-06-24 AD

1 16/06/27

Work Order ID 147009

Wednesday, May 25, 2016 1:12:22 PM

147009

Page 3

Item ID: D139-1012-041

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: AW139 Cargo Net Assembly

Start Date: 5/25/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 6/30/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

16/6/27 
rem 16/06/27

Wednesday, May 25, 2016 1:12:22 PM

147009

D139-1012-041

Required Date: 6/30/2016

Required Qty: 1.00

Comments: IPP REV:A 16.03.29 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D139-1012-041P		Purchased	No				Each	0.0000		1			
D139-1012-041P													
AW139 Cargo Net Assembly													
D5295-1		Manufactured	No				Each	32.0000		4			
D5295-1													
Ring													
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST161			32						
					145150		32						
D5296-3		Manufactured	No				Each	0.0000		4			
D5296-3													
2" O/C Buckle													
D5298-1		Manufactured	No				Each	0.0000		8			
D5298-1													
2" Twisted Snap Hook													
D5294-1		Manufactured	No				Each	0.0000		6			
D5294-1													
1" Snap Hook													
D5296-1		Manufactured	No				Each	0.0000		6			
D5296-1													
1" O/C Buckle													
D5297-1		Manufactured	No				Each	0.0000		6			
D5297-1													
Buckle, Male													
D5297-3		Manufactured	No				Each	0.0000		6			
D5297-3													
Buckle, Female													

Buckle, Female

D5297-041 X6. B145/82

MAY 26 2016

**DAS
13
9-89**

Picklist Print

Wednesday, May 25, 2016 1:12:22 PM

Page 2

Work Order ID: 147009

147009

Parent Item: D139-1012-041

D139-1012-041

Parent Item Name: AW139 Cargo Net Assembly

Start Date: 5/25/2016

Required Date: 6/30/2016

Start Qty: 1.00

Required Qty: 1.00

D5321-5

Manufactured No

Each

40.0000

D5321-5

**

8

MAY 26 2016

DAS

13

9-89

Ring

Location

Loc Qty

Loc Code

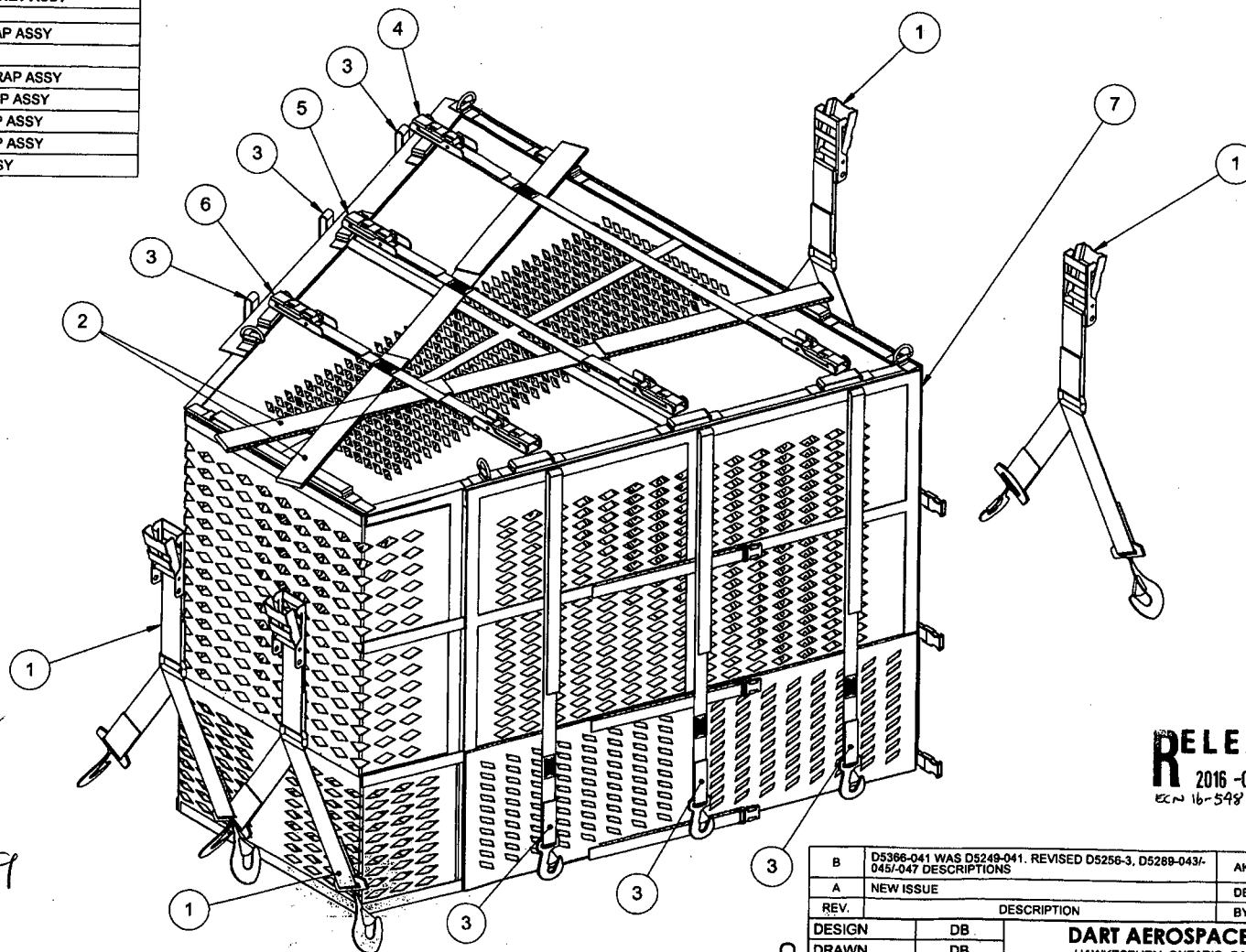
ST162

40

145159

40

ITEM	QTY	P/N	DESCRIPTION
	X	D139-1012-041	AW139 CARGO NET ASSY
1	4	D5256-041	TIE DOWN STRAP ASSY
2	2	D5256-3	CINCH STRAP
3	6	D5289-041	SIDE CINCH STRAP ASSY
4	1	D5289-043	FWD SIDE STRAP ASSY
5	1	D5289-045	MID SIDE STRAP ASSY
6	1	D5289-047	AFT SIDE STRAP ASSY
7	1	D5366-041	CARGO NET ASSY



WLB
746253
147009

D139-1012-041 AW139 CARGO NET ASSY

RELEASED
2016-03-23
ECN 16-548

B	D5366-041 WAS D5249-041. REVISED D5256-3, D5289-043/-045/-047 DESCRIPTIONS	AK	16.02.09
A	NEW ISSUE	DB	15.06.22
REV.	DESCRIPTION	BY	DATE
DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
CHECKED	AJS	DRAWING NO.	REV. B
MFG. APPR.	DD	D139-1012-041	SHEET 1 OF 1
APPROVED	WM	TITLE	SCALE
DE APPR	DS	AW139 CARGO NET	NTS
DATE	16.02.09	COPYRIGHT © 2015 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IT SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

APPROVED



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO32265

Purchase Order Date 5/5/2016 10:30:27 AM
PO Print Date 6/21/2016

Page Number 1 of 8

Order From :

VC-TUL001

TULMAR SAFETY SYSTEMS
1123 CAMERON ST
HAWKESBURY, ON K6A 2B8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 613 632 1282

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D139-1012-041P	AW139 Cargo Net Assembly	6/30/2016 Yes 6/30/2016	FN	1.00 Each	\$1,710.00	\$1,710.00

SALES QUOTE NO. 16753

AS PER DWG D139-1012-041 REV. B
B147009

PARTS INCLUDED IN D139-1012-041:

4 X D5256-041
2 X D5256-3
6 X D5289-041
1 X D5289-043
1 X D5289-045
1 X D5289-047
1 X D5366-041

\$150.00 added per net for cost of new buckles

Sp/6-6-23

Line Total: \$1,710.00

PO Instructions: NOTE: SUPPLIER TO PURCHASE RAW MATERIALS AS PER DRWG
Supplier may purchase raw materials as described in the drawing. Supplier is not required to provide FAR test reports or certification. FR clause removed
"Product made to the drawing, except for 1" and 2" Red webbings not certified to FAR.29.853a3"

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO32265

Purchase Order Date 5/5/2016 10:30:27 AM
PO Print Date 6/21/2016

Page Number 7 of 8

Order From :

VC-TUL001

Ship To : DART AEROSPACE LTD

TULMAR SAFETY SYSTEMS
1123 CAMERON ST
HAWKESBURY, ON K6A 2B8
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

613 632 1282

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

24	71401-45	PROCUREMENT QUALITY CLAUSES	6/30/2016	1.00	\$0.00	\$0.00
----	----------	--------------------------------	-----------	------	--------	--------

No

6/30/2016

Procurement Quality Clauses

A004 faa-pma/tso

A005 right of entry

A007 first article inspection (fai)

A016 personnel qualification

A026 certification of material conformance

A040 notification of quality escape

A041 quality management system

A043 retention of quality document

TSS = 5 YRS ONLY

Line Total: \$0.00

25	71875-90	MISC MAV AVIATION MANUFACTURING	6/30/2016	1.00	\$1,000.00	\$1,000.00
----	----------	------------------------------------	-----------	------	------------	------------

Yes

6/30/2016

Each

SALES QUOTE NO. 16752

SEP 16-6-23

Line Total: \$1,000.00

PO Instructions: NOTE: SUPPLIER TO PURCHASE RAW MATERIALS AS PER DRWG

Supplier may purchase raw materials as described in the drawing. Supplier is not required to provide FAR test reports or certification. FR clause removed

"Product made to the drawing, except for 1" and 2" Red webbings not certified to FAR.29.853a3"

Note:

6/21/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO32265

Purchase Order Date 5/5/2016 10:30:27 AM

PO Print Date 6/21/2016

Page Number 8 of 8

Order From :

TULMAR SAFETY SYSTEMS
1123 CAMERON ST
HAWKESBURY, ON K6A 2B8
CA

VC-TUL001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

613 632 1282

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

VENDOR'S TRUCK

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

26 71875-90

Change metal buckles to
Acetal Buckle SR1

6/21/2016

1.00

\$165.00

\$165.00

No

6/21/2016

ONE-TIME CHARGE OF \$150.00 FOR LABOR (UNSEW/REPLACE BUCKLES) AND REVISE INTERNAL MFG DOCUMENTS

Line Total:

\$165.00

PO Total:

\$11,425.00

PO Instructions: NOTE: SUPPLIER TO PURCHASE RAW MATERIALS AS PER DRWG
Supplier may purchase raw materials as described in the drawing. Supplier is not required to provide FAR test reports or certification. FR clause removed
"Product made to the drawing, except for 1" and 2" Red webbings not certified to FAR.29.853a3"

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, ON K6A 2B8
Tel: 613-632-1282
Fax: 613-632-2030
GST R132478223
MID : XOTULSAF1123HAW
email: info@tulmar.com

Packing Slip No Page
57696 1

Ship Date
6/23/2016

Bill To:

Dart Aerospace
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship To:

Dart Aerospace
1270 Aberdeen Street
Tel: 613-632-9577
Hawkesbury, ON K6A 1K7
Canada

Order number	Sales order date	Account number	Loc	Account manager
33869	5/5/2016	CDART100	H	Francine Bigras
PO number	Ship via	Shipping Terms		
PO32265 - REVISED	Pick-Up	FOB HAWKESBURY		

Item No.	Quantity ordered	UOM	Qty Shipped/Returned	Quantity on back order
Description				

Line 24 = QA Clauses
A004, A005, A007, A016, A026, A040,
A041, A043 (TSS only 5yrs)
*Note: Supplier to purchase raw material
as per Dwg - Supplier is not required to
provide FAR test reports or
certification. FR Clause removed.
PO Rev 6/1/16 added note: "Product made
to the drawing, except for 1" and 2" Red
webbings not certified to FAR.29.853a3".

MISC MAV
Aviation Manufacturing

1.00 EA

1.00

Line 25
Quote 16752

MISC MAV
Aviation Manufacturing
LN 26 to change metal buckles to
Acetal Buckle SR1

1.00 EA

1.00

87249-001

Cargo Net, AW 139

Drawing No: D139-1012-041

DWG Rev: B

Lines 1, 2, 3, 4, 5, 23

SF 40169 --> 40170-76

Certification includes to

Drawing D5289+MU Rev. B+1 Sheet.

Lot no.: BATCH0000000001

1.00

1.00

5.00

Sp16-6-23

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, ON K6A 2B8
Tel: 613-632-1282
Fax: 613-632-2030
GST R132478223
MID : XOTULSAF1123HAW
email: info@tulmar.com

Packing Slip No. Page

57696 2

Ship Date
6/23/2016

Bill To:

Dart Aerospace
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship To:

Dart Aerospace
1270 Aberdeen Street
Tel: 613-632-9577
Hawkesbury, ON K6A 1K7
Canada

Order number	Sales order date	Account number	Loc	Account manager
33869	5/5/2016	CDART100	H	Francine Bigras
PO number	Ship via	Shipping Terms		
PO32265 - REVISED	Pick-Up	FOB HAWKESBURY		
Item No. Description	Quantity ordered	UOM	Qty Shipped/Returned	Quantity on back order
CDART100-020 Buckle, Cinch, Female Half/# D5297-3 RETURN TO CUSTOMER	37.00	EA	37.00	
CDART100-021 Buckle, Male/#D5297-1 RETURN TO CUSTOMER	37.00	EA	37.00	

Sp/6-6-23

Certificate of Conformance

☐ See Certification Enclosed

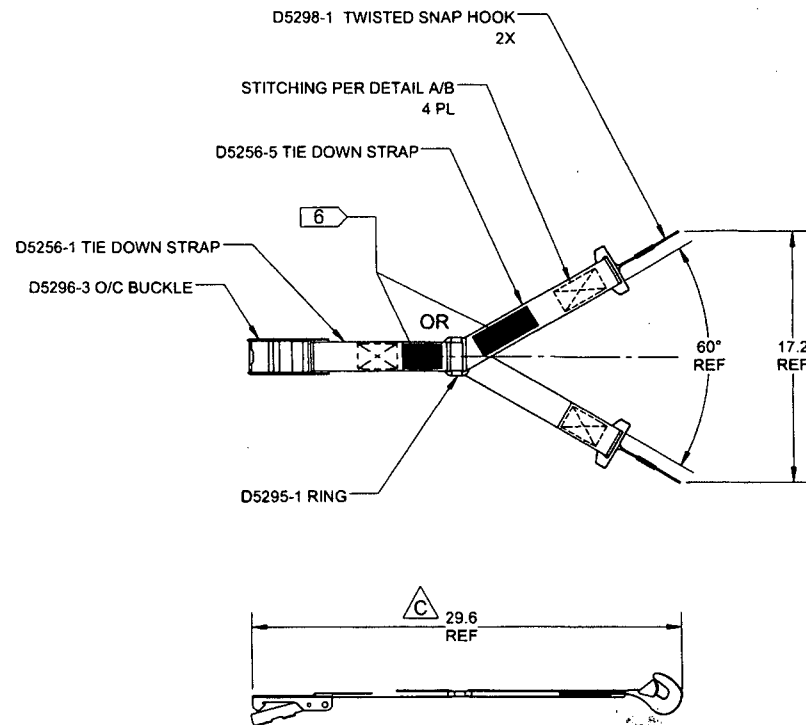
I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 245.

Authorized Inspector

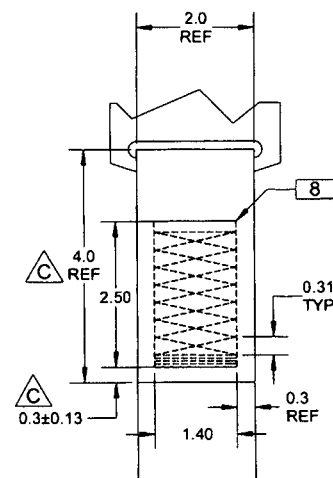
Loraine LaRivière

Date:

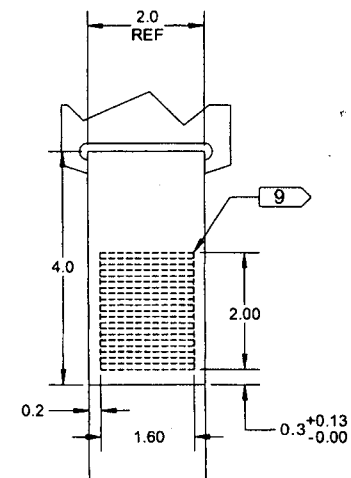
JUN 23 2016



D5256-041 TIE DOWN STRAP ASSY



DETAIL A: STITCHING PATTERN
(ZIG ZAG PATTERN)



DETAIL B: ALTERNATE STITCHING PATTERN
(20 HORIZONTAL ROWS)

RELEASED

2016 JUN 23
ECN 16-62

NOTES:

- 1) MATERIAL: WEBBING MATERIAL: 2" POLYESTER, RED, MIN 6000 LB BREAK STRENGTH, MUST MEET 2.5" HORIZONTAL BURN TEST PER FAR 29.853A3 (ACCEPTABLE MAT'L: CORDURA 6002-50) WEBBING THREAD: V-T-295 TYPE II (OR A-A-59826), CLASS A SIZE FF, NYLON, BLACK LABEL THREAD: V-T-295 (OR A-A-59826) TYPE II CLASS A SIZE F, NYLON, BLACK
- 2) FINISH: ALL CUT EDGES TO BE HEAT SEALED
- 3) TOLERANCES: X.X ±0.30, X.XX ±0.13 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: WITH SEWN ON LABEL "DART AEROSPACE LTD. P/N D5256-041"
- 7) WEIGHT: 2.6 LBS
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
- 9) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301 AND RAMM MPS 003, 5-7 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH, REINFORCE FROM BACK SIDE USING P20701 BLACK POLYESTER THREAD, SIZE #207

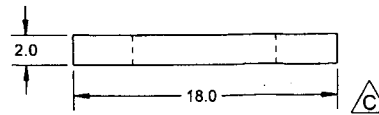
C	SHEET 1: 4.0 REF WAS 4.0, 0.3±0.13 WAS 0.3 ±0.13±0.00, 29.6 WAS 27.9 SHEET 2: 18.0 WAS 16.3	DB	16.06.01
B	UPDATE MATERIAL REFERENCES AND STITCHING DETAIL A&B, REVERSE BUCKLE ORIENTATION, CHANGE WEBBING LENGTHS	AK	16.01.19
A	NEW ISSUE	DB	15.09.01
REV.	DESCRIPTION	BY	DATE
DESIGN	DB		
DRAWN	DB		
CHECKED	AJS		
MFG. APPR.	DD		
APPROVED	HS		
DE APPR.	DS		
DATE	16.06.01		

APPROVED

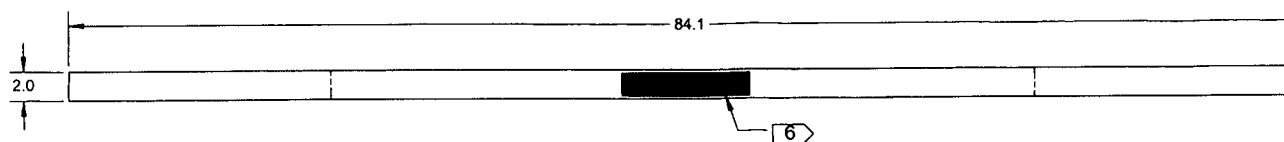
DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D5256** REV. C
SHEET 1 OF 2
TITLE **TIE DOWN STRAPS** SCALE NTS

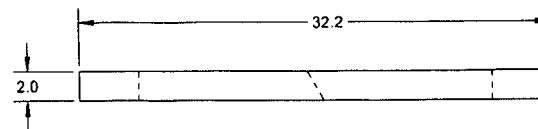
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D5256-1 TIE DOWN STRAP



D5256-3 CINCH STRAP



D5256-5 TIE DOWN STRAP

RELEASED

2016 JUN 23 *q*

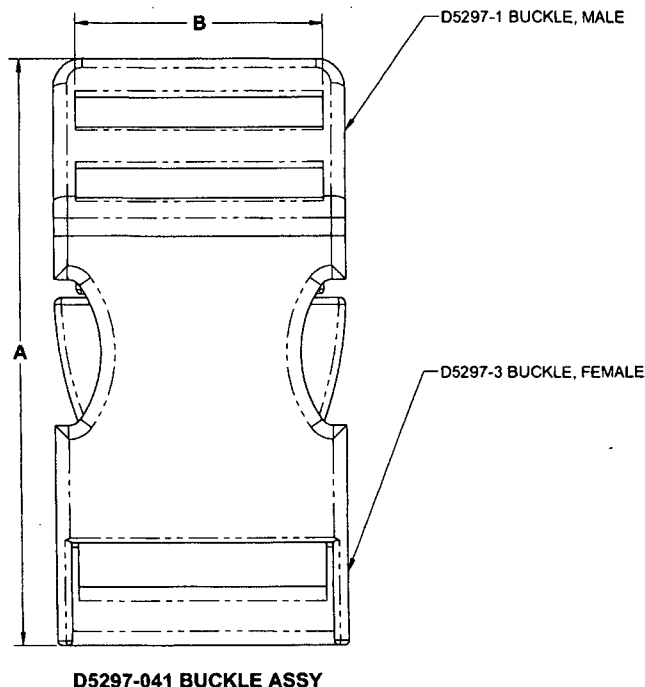
NOTES:

- 1) MATERIAL: WEBBING MATERIAL: 2" POLYESTER, RED, MIN 6000 LB BREAKING STRENGTH, MUST MEET 2.5" HORIZONTAL BURN TEST PER FAR 29.853A3 (ACCEPTABLE MAT'L: CORDURA 6002-50)
LABEL THREAD: V-T-295 (OR A-A-59826) TYPE II CLASS A SIZE F, NYLON, BLACK
- 2) FINISH: ALL CUT EDGES TO BE HEAT SEALED
- 3) TOLERANCES: X.X = ± 0.30 , X.XX = ± 0.13
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: WITH SEWN ON LABEL "DART AEROSPACE LTD. P/N 5256-3"
- 7) WEIGHT: N/A

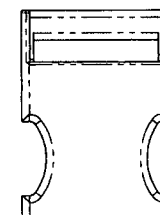
APPROVED

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
CHECKED	AJS	DRAWING NO.	REV. C
MFG. APPR.	DD	D5256	SHEET 2 OF 2
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	TIE DOWN STRAPS	NTS
DATE	16.06.01	COPYRIGHT © 2015 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMPILED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

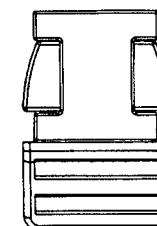
SPECIFICATION CONTROL DRAWING



D5297-041 BUCKLE ASSY



D5297-3 BUCKLE, FEMALE



D5297-1 BUCKLE, MALE

RELEASED

2016 JUN 23 9
EN 16.602

DART P/N	DESCRIPTION	VENDOR	VENDOR P/N	A	B	C	MATERIAL	WEIGHT
D5297-041	CINCH BUCKLE ASSY	ACW	CSR-1	2.8	1.0	0.5	NYLON	0.09 LBS

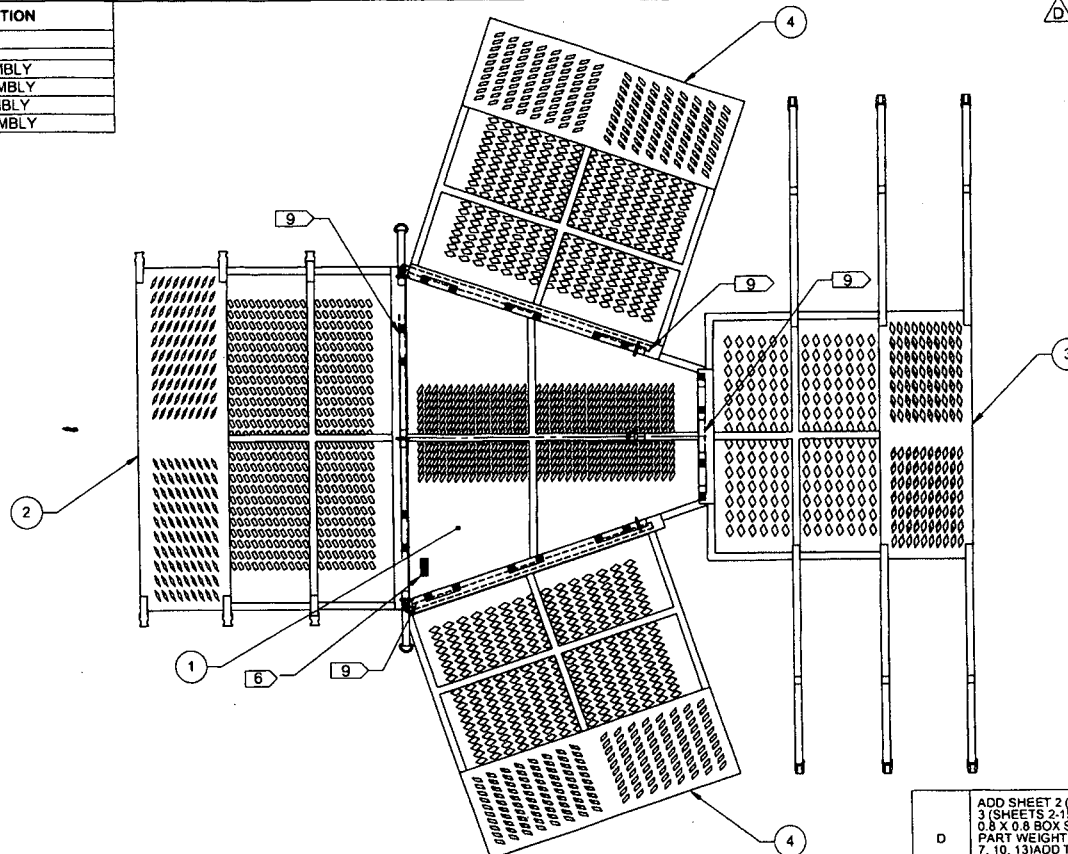
B	CHANGE TO NYLON CSR BUCKLE	DB	16.06.16
A	NEW ISSUE	DB	15.09.01
REV.	DESCRIPTION	BY	DATE
DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
CHECKED	WM	DRAWING NO.	REV. B
MFG. APPR.	DD	D5297	SHEET 1 OF 1
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	CINCH BUCKLE	NTS
DATE	16.06.16	COPYRIGHT © 2015 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

APPROVED

- NOTES:**
- 1) MATERIAL: SEE TABLE
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
 - 7) WEIGHT: SEE TABLE

ITEM	QTY	P/N	DESCRIPTION
	X	D5366-041	CARGO NET ASSY
1	1	D5366-043	TOP PANEL ASSEMBLY
2	1	D5366-045	FWD PANEL ASSEMBLY
3	1	D5366-047	AFT PANEL ASSEMBLY
4	2	D5366-049	SIDE PANEL ASSEMBLY

TABLE 1: TOLERANCES	RANGE
+/- 0.13	0<2"
+/- 0.25	2<10"
+/- 0.50	10<20"
+/- 0.63	20<40"
+/- 1.5%	>40"
+/- 5°	ANGLES



D5366-041 CARGO NET ASSY

NOTES:

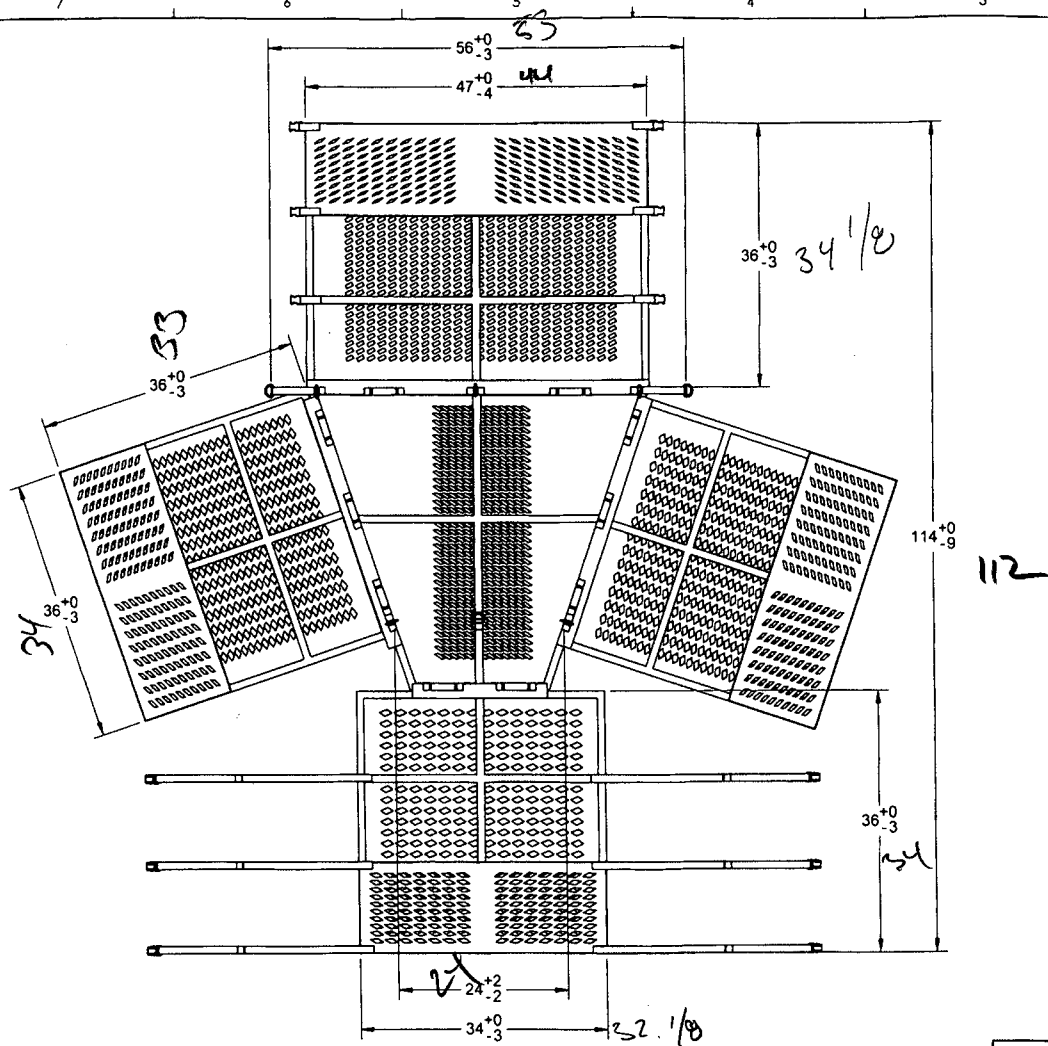
- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1 UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: WITH SEWN ON LABEL "DART AEROSPACE LTD P/N D5366-041"
- 7) WEIGHT: 9 LBS (REFERENCE ONLY)
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH 0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS
- 9) D5366-045/-047/-049(2) PANEL ASSEMBLIES SEWN TO D5366-043 TOP PANEL ASSY WITH DOUBLE CONTINUOUS STITCH ALONG SEAM, 0.8 SPACING, CENTERED ON WEBBING.

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2016 JUN 23
ECN 16-602

D	ADD SHEET 2 (INSPECTION DIMENSIONS), REVISE NOTE 3 (SHEETS 2-15), ADD TABLE 1: TOLERANCES (SHEET 1), 0.8 X 0.8 BOX STITCH WAS 1.8 X 0.8 (SHEET 4), CORRECT PART WEIGHT (SHEET 1, 2), REMOVE PART WEIGHTS (SH 7, 10, 13) ADD TYPE VIII TO 2" WEBBING MATERIAL (SHEET 8), ADDED TOLERANCES TO LOCATION OF D5366-41 ONTO D5366-043 (SHEET 4)	DB	16.06.09
C	MAKE WEIGHTS REFERENCE ONLY (NOTE 7, SH 1, 2, 6, 9, 12), ADD D5366-41 CARABINER STRAP (2 PL, SH 2, 3), ADD D5366-5 D RING (2 PL), ADD D5366-21 D RING LOOP (2 PL, SH 2, 3)	DB	16.05.19
B	DELETE D5366-141, ADD D5321-5, D5366-21D RING LOOP WAS D5366-21 HANGER LOOP	DB	16.02.08
A	NEW ISSUE	DB	15.11.27
REV.	DESCRIPTION	BY	DATE
DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DD	D5366	SHEET 1 OF 15
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
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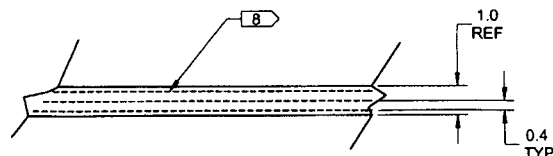
D5366-041 INCOMING INSPECTION DIMENSIONS

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: NONE
 - 3) TOLERANCES: FOR INCOMING INSPECTION, AS INDICATED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: NONE
 - 7) WEIGHT: 9 LBS (REF)

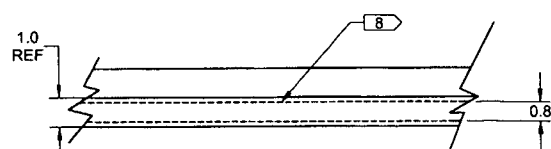
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DRAWN	DB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DD	D5366	SHEET 2 OF 15
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ITEM	QTY	P/N	DESCRIPTION
	-043		
	X	D5366-043	TOP PANEL ASSY
1	8	D5321-5	D RING
2	1	D5366-1	TOP PANEL WEBBING
3	1	D5366-3	TOP PANEL MESH
4	4	D5366-5	LONG LOOP
5	6	D5366-7	SHORT LOOP
6	2	D5366-9	SIDE SEAM
7	1	D5366-11	FWD SEAM
8	1	D5366-13	AFT SEAM
9	4	D5366-21	D RING LOOP
10	2	D5366-41	CARABINER STRAP



DETAIL A: TYPICAL MESH-TO-WEBBING STITCH PATTERN

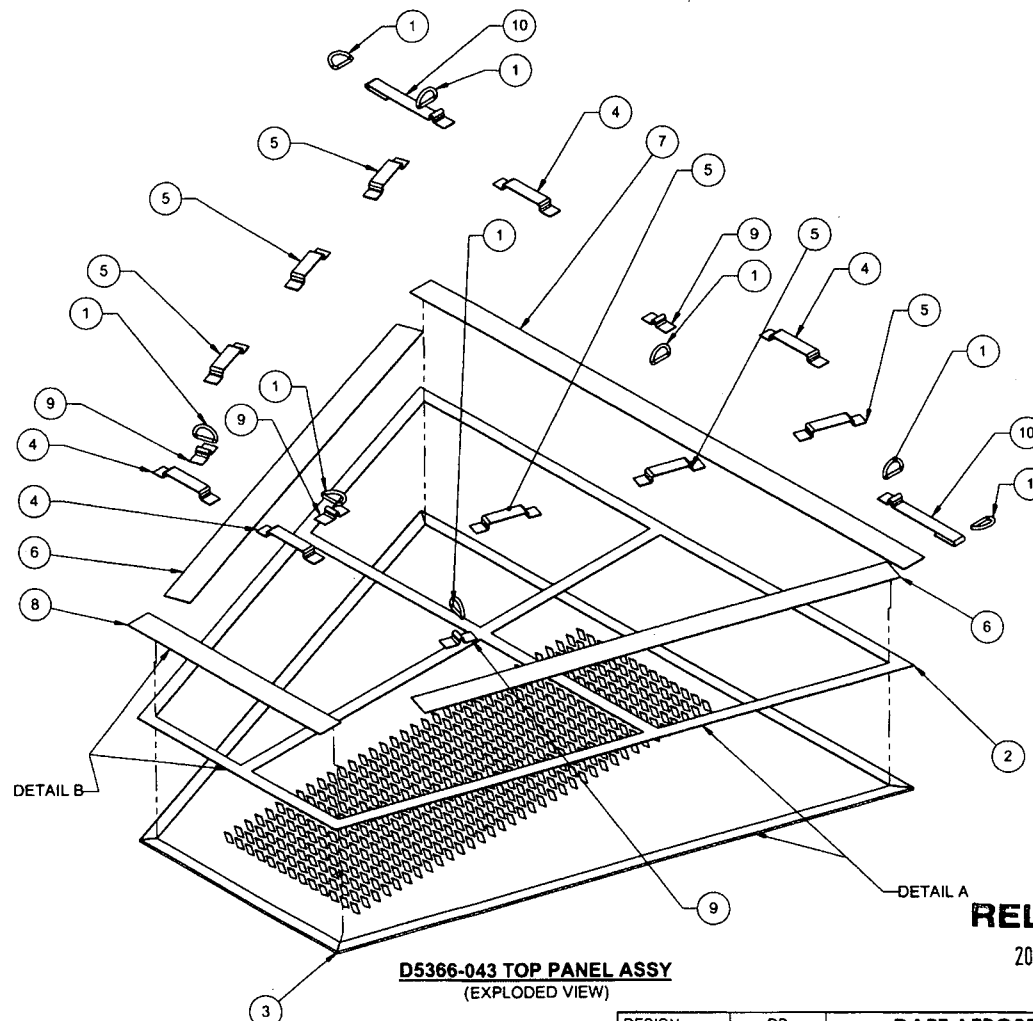


DETAIL B: TYPICAL SEAM-TO-WEBBING STITCH PATTERN
(SHOWN FROM UNDERSIDE OF WEBBING, MESH REMOVED)

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH

0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS



D5366-043 TOP PANEL ASSY
(EXPLODED VIEW)

APPROVED

DESIGN	DB
DRAWN	DB
CHECKED	AJS
MFG. APPR.	DD
APPROVED	HS
DE APPR.	DS
DATE	16.06.09

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

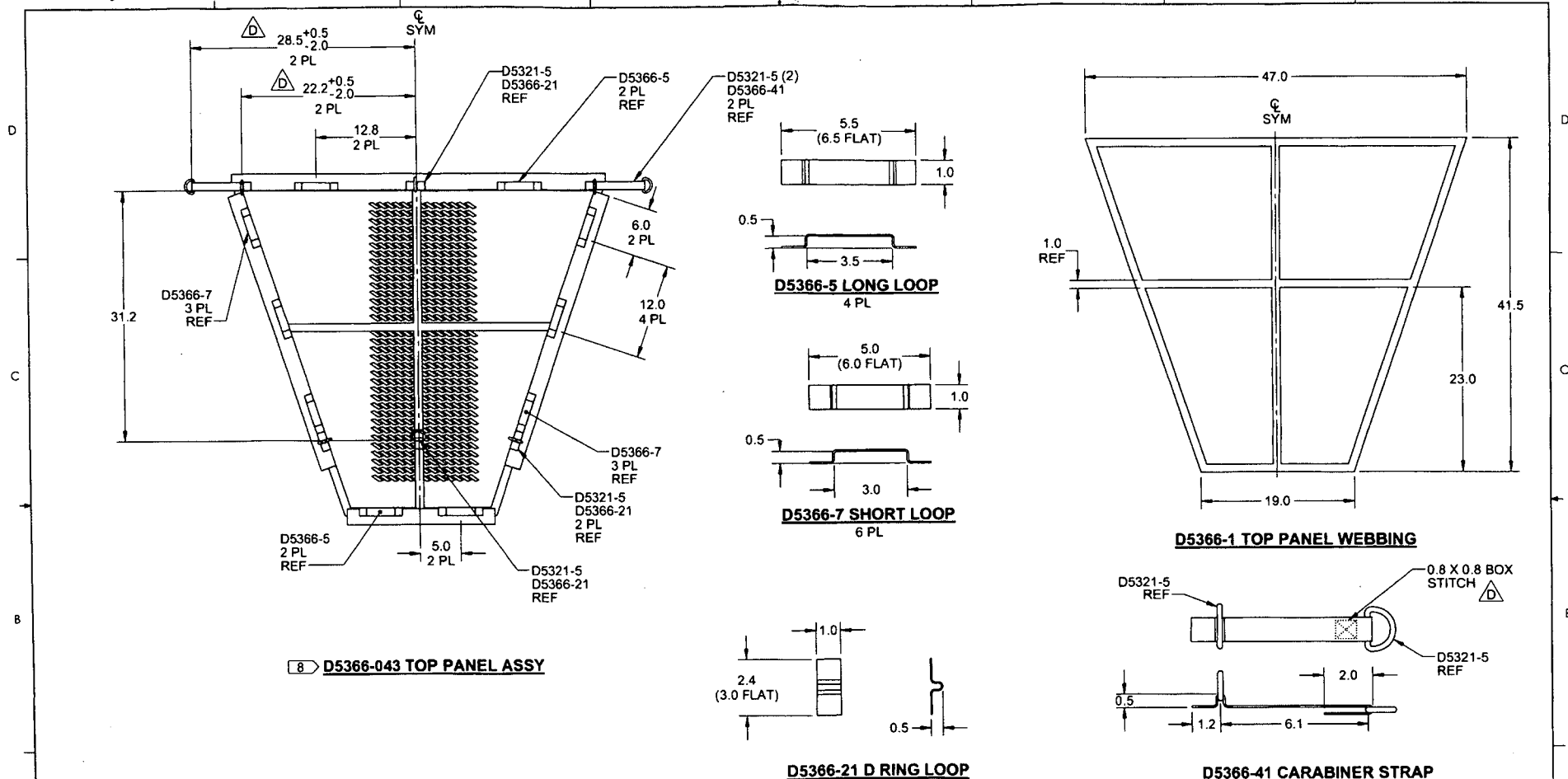
DRAWING NO. **D5366** REV. D
SHEET 3 OF 15
TITLE **AW139 CARGO NET** SCALE NTS

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2016 JUN 23

8 7 6 5 4 3 2 1



8 D5366-043 TOP PANEL ASSY

D5366-21 D RING LOOP

D5366-1 TOP PANEL WEBBING

D5366-41 CARABINER STRAP

NOTES:

1) MATERIAL: WEBBING MATERIAL: 1" NYLON, MIL-W-4088, TYPE XVII, CLASS 1 OR 1A, COLOR BLACK
THREAD: NYLON THREAD TO BE USED FOR ALL SEAMS CONFORMING TO V-T-295 TYPE II
(OR A-A-59826) CLASS A, SIZE FF, COLOR BLACK

- 2) FINISH: NONE
3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: NONE
7) WEIGHT: N/A
8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS

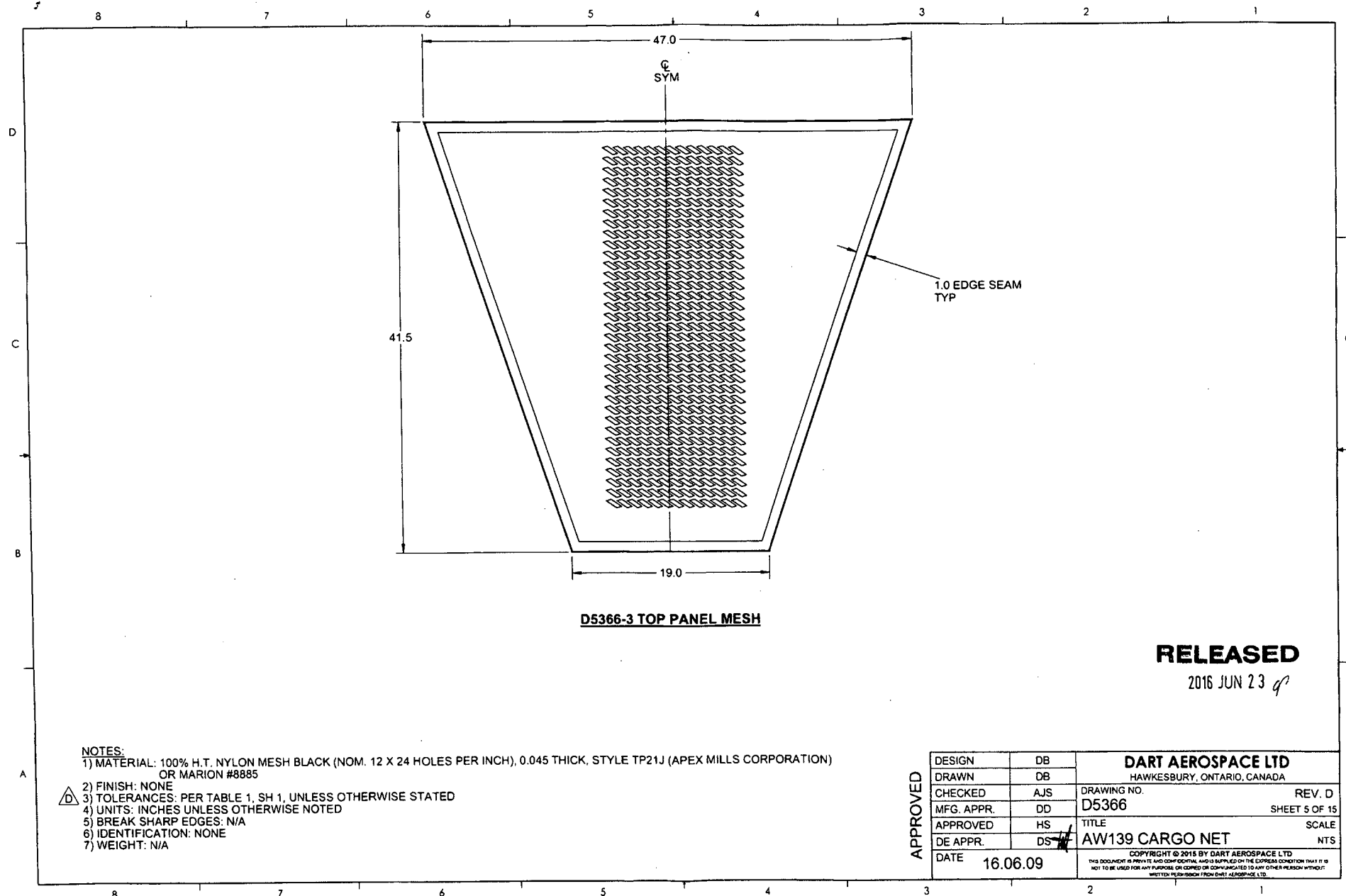
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8 7 6 5 4 3 2 1



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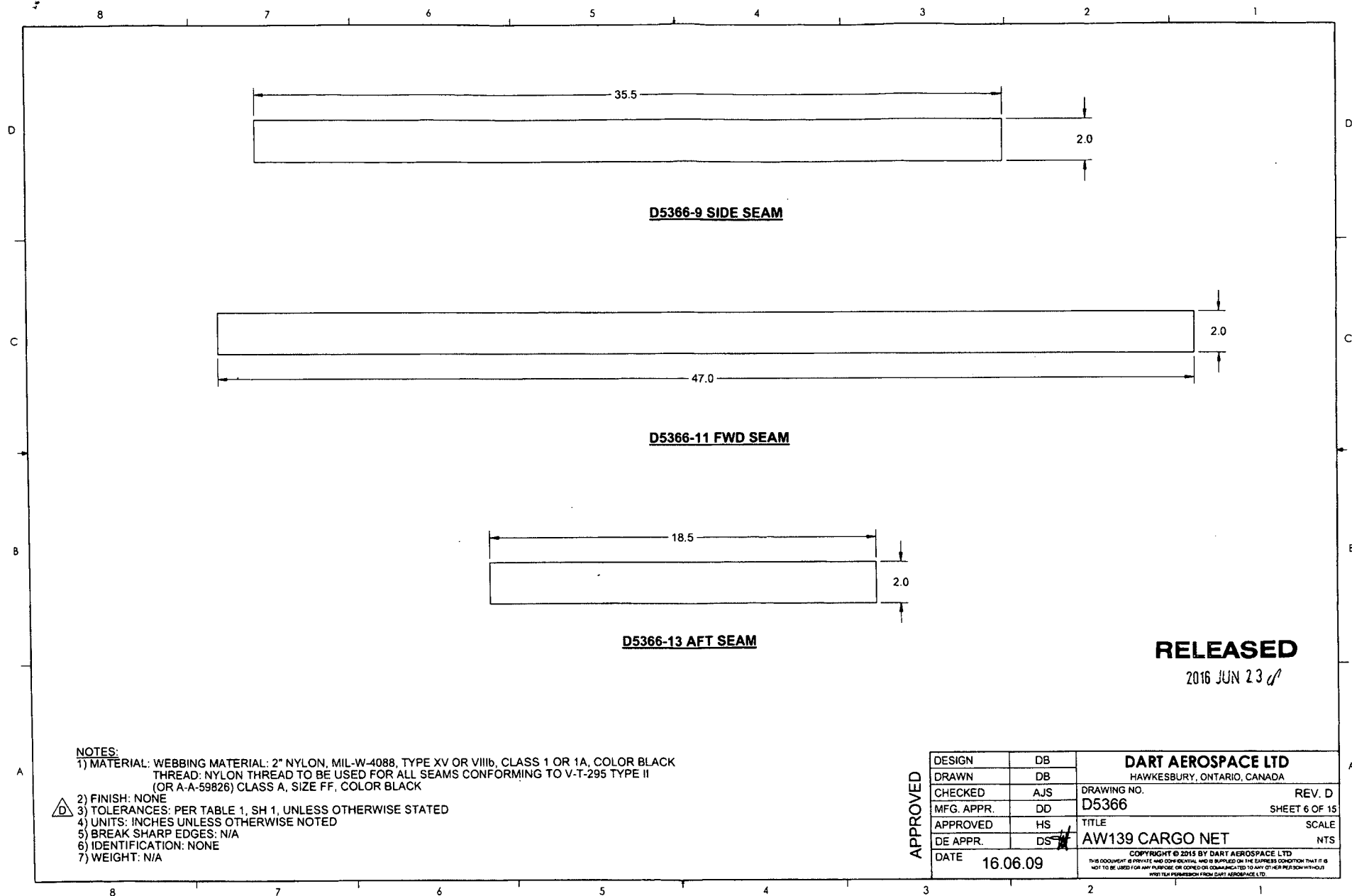
2016 JUN 23 *q*

NOTES:

- 1) MATERIAL: 100% H.T. NYLON MESH BLACK (NOM. 12 X 24 HOLES PER INCH), 0.045 THICK, STYLE TP21J (APEX MILLS CORPORATION)
OR MARION #8885
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

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DESIGN	DB	DART AEROSPACE LTD	
DRAWN	DB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DD	D5366	SHEET 5 OF 15
APPROVED	HS	TITLE	SCALE
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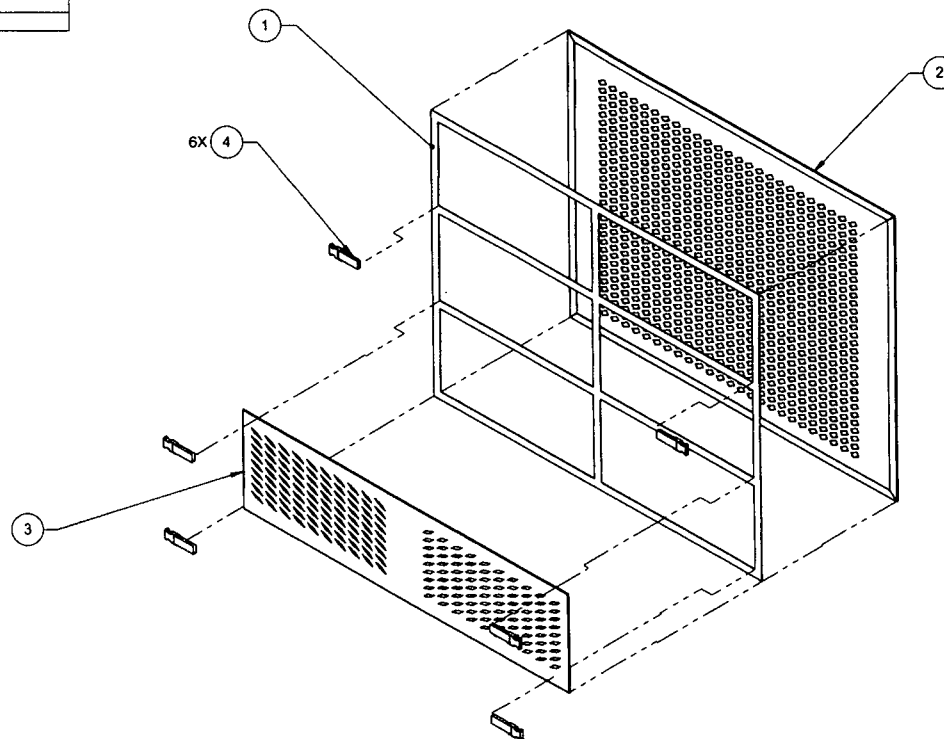
NOTES:

- 1) MATERIAL: WEBBING MATERIAL: 2" NYLON, MIL-W-4088, TYPE XV OR VIIIb, CLASS 1 OR 1A, COLOR BLACK
THREAD: NYLON THREAD TO BE USED FOR ALL SEAMS CONFORMING TO V-T-295 TYPE II
(OR A-A-59826) CLASS A, SIZE FF, COLOR BLACK
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

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CHECKED	AJS	DRAWING NO.	REV. D
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ITEM	QTY -045	P/N	DESCRIPTION
	X	D5366-045	FWD PANEL ASSY
1	1	D5366-15	FWD PANEL WEBBING
2	1	D5366-17	FWD PANEL MESH
3	1	D5366-19	FWD PANEL POCKET
4	6	D5366-23	BUCKLE STRAP



D5366-045 FWD PANEL ASSY
(EXPLODED VIEW)

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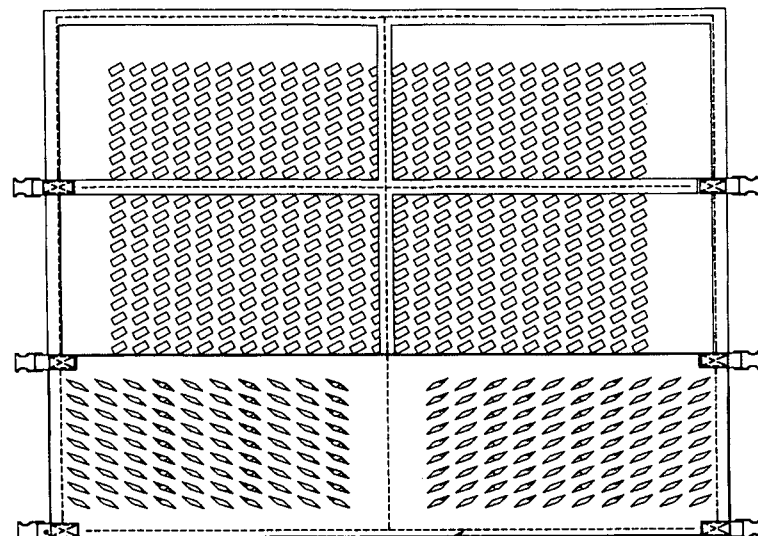
2016 JUN 23 *q*

NOTES:

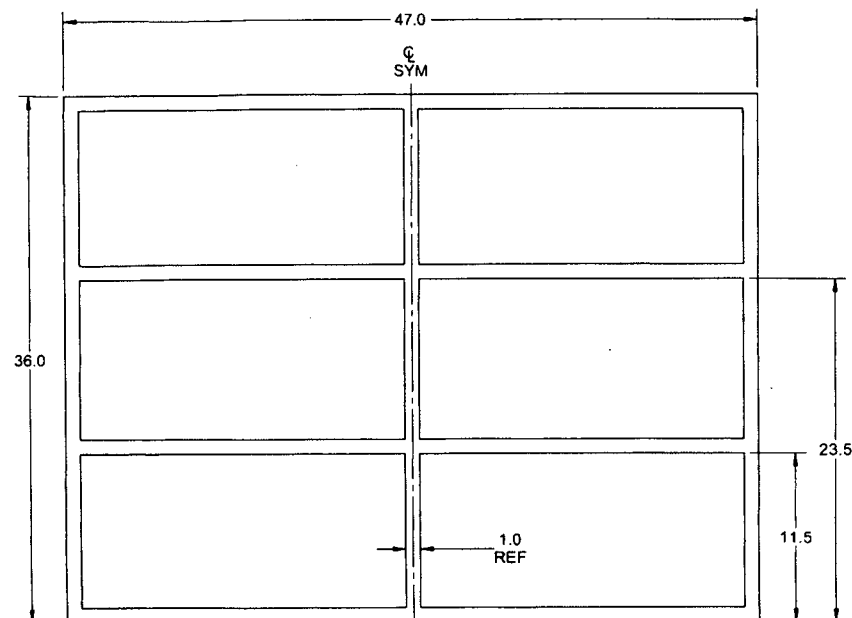
- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS

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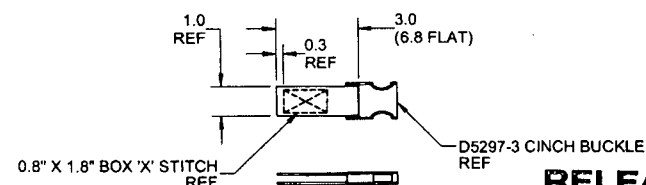
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DRAWN	DB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DD	D5366	SHEET 7 OF 15
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D5366-045 FWD PANEL ASSY



D5366-15 FWD PANEL WEBBING



D5366-23 BUCKLE STRAP
6 PL

NOTES:

- 1) MATERIAL: D5366-15: WEBBING MATERIAL: 1" NYLON, MIL-W-4088, TYPE XVII, CLASS 1 OR 1A, COLOR BLACK
THREAD: NYLON THREAD TO BE USED FOR ALL SEAMS CONFORMING TO V-T-295 TYPE II
(OR A-A-59826) CLASS A, SIZE FF, COLOR BLACK
D5366-23: WEBBING MATERIAL: 1" NYLON, MIL-W-4088, TYPE XVII, CLASS 1 OR 1A, COLOR RED
THREAD: NYLON THREAD TO BE USED FOR ALL SEAMS CONFORMING TO V-T-295 TYPE II
(OR A-A-59826) CLASS A, SIZE FF, COLOR BLACK

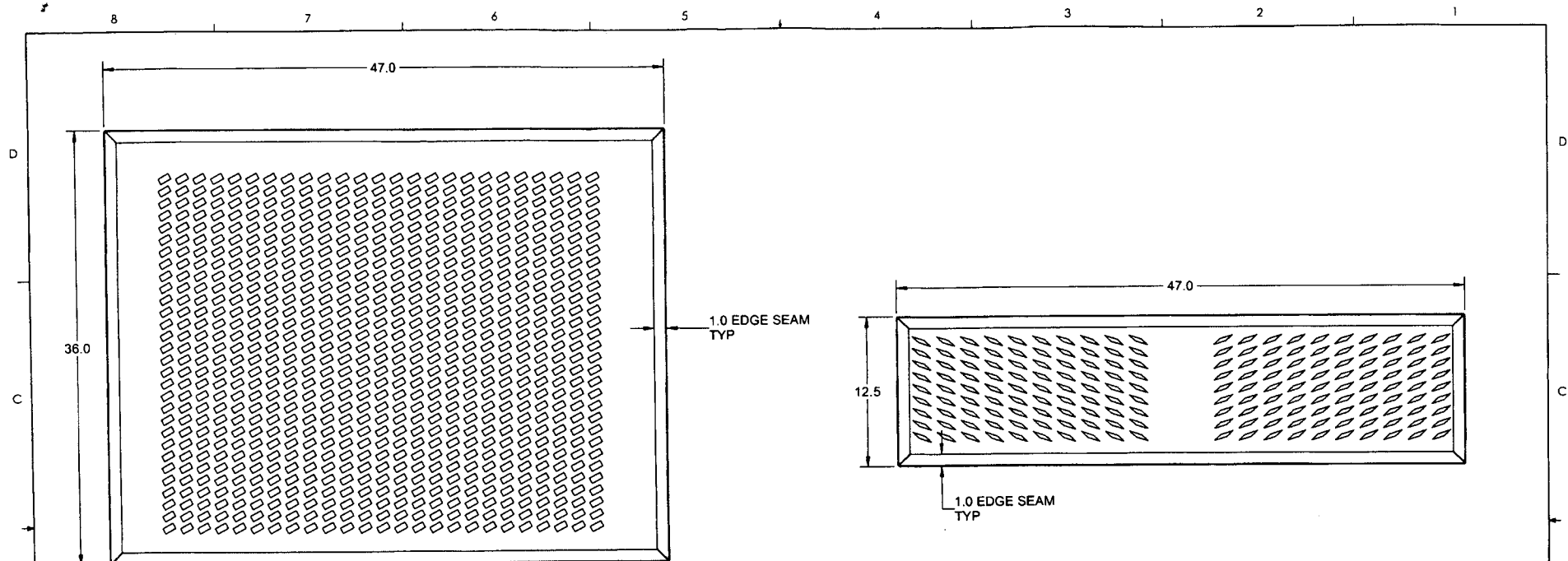
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS
- 9) D5366-17 FWD PANEL MESH AND D5366-19 FWD PANEL POCKET SEWN TO D5366-15 FWD PANEL WEBBING WITH TRIPLE CONTINUOUS STITCH
CENTERED ON WEBBING, 0.4" SPACING (PER DETAIL A, SHEET 2).

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MFG. APPR.	DD	D5366	SHEET 8 OF 15
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2016 JUN 23



D5366-17 FWD PANEL MESH

D5366-19 FWD PANEL POCKET

RELEASED

2016 JUN 23 *q*

NOTES:

- 1) MATERIAL: 100% H.T. NYLON MESH BLACK (NOM. 12 X 24 HOLES PER INCH), 0.045 THICK, STYLE TP21J (APEX MILLS CORPORATION)
OR MARION #8885
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

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DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
CHECKED	AJS	DRAWING NO.	REV. D
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ITEM	QTY -047	P/N	DESCRIPTION
	X	D5366-047	AFT PANEL ASSY
1	1	D5366-25	AFT PANEL WEBBING
2	1	D5366-27	AFT PANEL MESH
3	1	D5366-29	AFT PANEL POCKET
4	6	D5366-31	CINCH STRAP

6X 4

D5366-047 AFT PANEL ASSY
(EXPLODED VIEW)

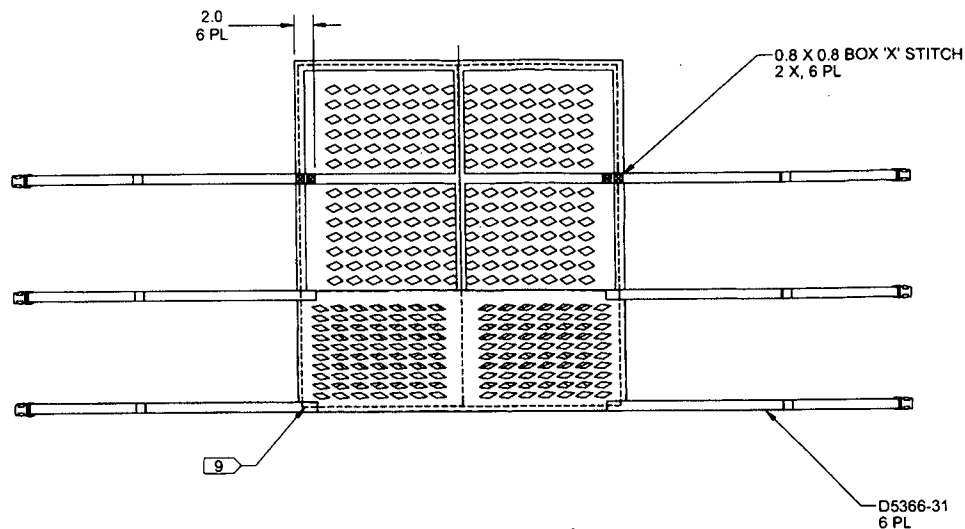
RELEASED

2016 JUN 23 *qi*

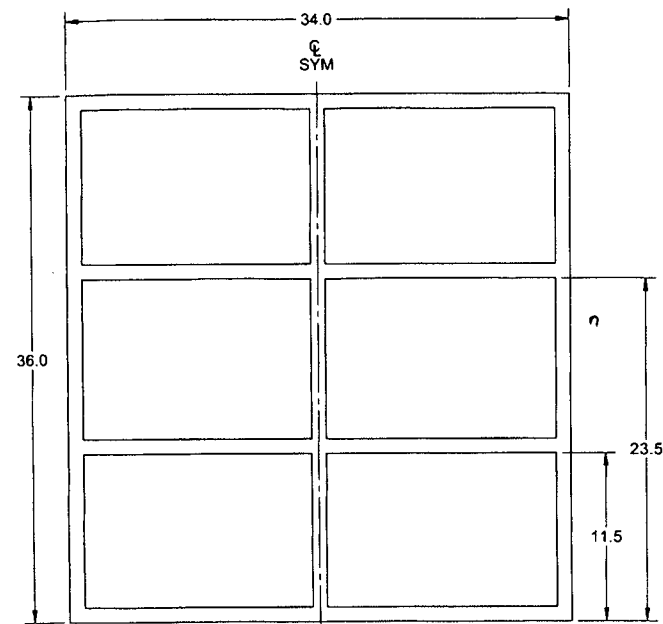
NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS

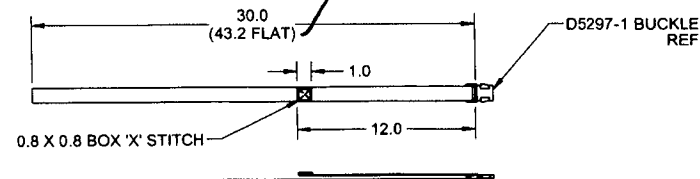
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DRAWN	DB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DD	D5366	SHEET 10 OF 15
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D5366-047 AFT PANEL ASSY



D5366-25 AFT PANEL WEBBING



D5366-31 CINCH STRAP

RELEASED

2016 JUN 23

NOTES:

- 1) MATERIAL: D5366-25: WEBBING MATERIAL: 1" NYLON, MIL-W-4088, TYPE XVII, CLASS 1 OR 1A, COLOR BLACK
THREAD: NYLON THREAD TO BE USED FOR ALL SEAMS CONFORMING TO V-T-295 TYPE II (OR A-A-59826) CLASS A, SIZE FF, COLOR BLACK
D5366-31: WEBBING MATERIAL: 1" NYLON, MIL-W-4088, TYPE XVII, CLASS 1 OR 1A, COLOR RED
THREAD: NYLON THREAD TO BE USED FOR ALL SEAMS CONFORMING TO V-T-295 TYPE II (OR A-A-59826) CLASS A, SIZE FF, COLOR BLACK

- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS
- 9) D5366-27 AFT PANEL MESH AND D5366-29 AFT PANEL POCKET SEWN TO D5366-25 AFT PANEL WEBBING WITH TRIPLE CONTINUOUS STITCH
CENTERED ON WEBBING, 0.4 SPACING (PER DETAIL A, SHEET 2).

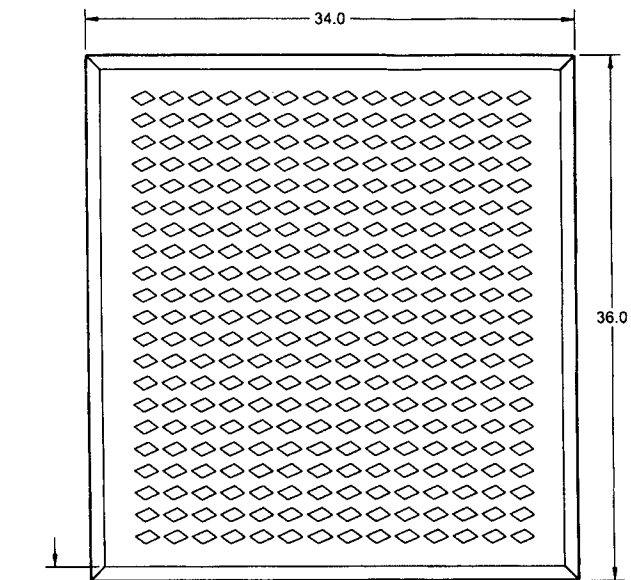
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DRAWN	DB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DD	D5366	SHEET 11 OF 15
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
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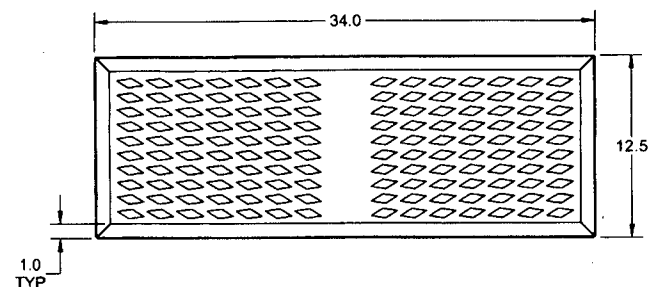
8 7 6 5 4 3 2 1

D
C
B
A

D
C
B
A



D5366-27 AFT PANEL MESH



D5366-29 AFT PANEL POCKET

RELEASED

2016 JUN 23 47

NOTES:
 1) MATERIAL: 100% H.T. NYLON MESH BLACK (NOM. 12 X 24 HOLES PER INCH), 0.045 THICK, STYLE TP21J (APEX MILLS CORPORATION) OR MARION #8885

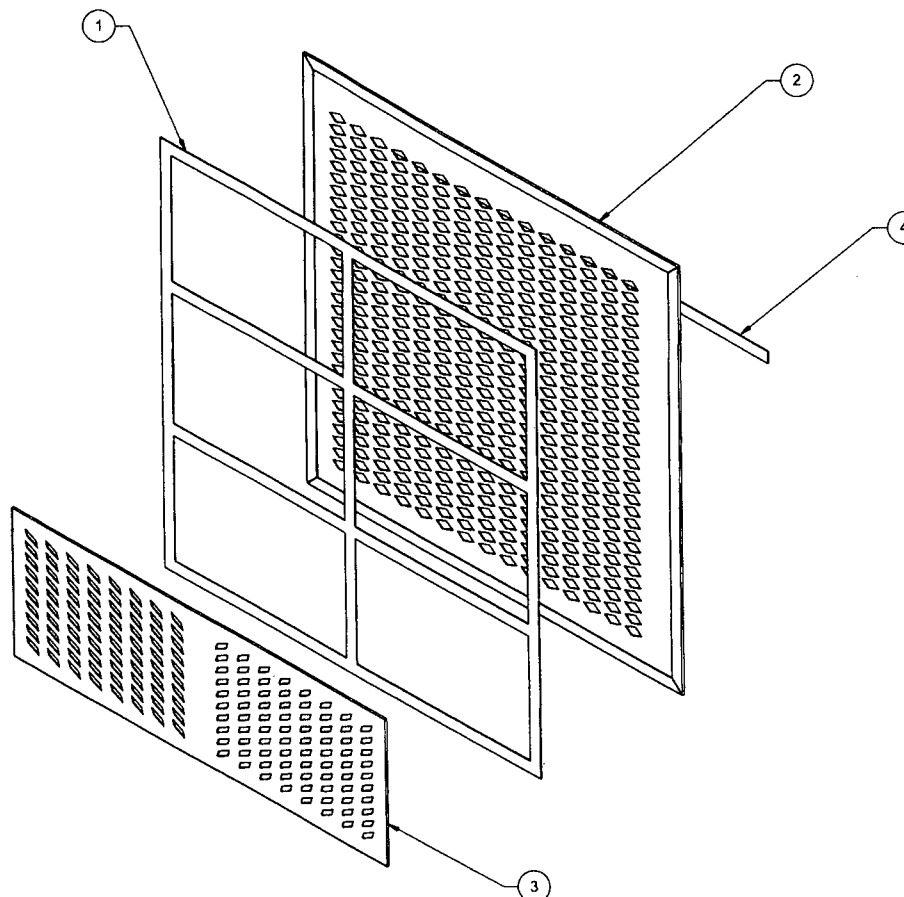
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

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DESIGN	DB	DART AEROSPACE LTD	
DRAWN	DB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DD	D5366	SHEET 12 OF 15
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8 7 6 5 4 3 2 1

ITEM	QTY	P/N	DESCRIPTION
	-049		
	X	D5366-049	SIDE PANEL ASSY
1	1	D5366-33	SIDE PANEL WEBBING
2	1	D5366-35	SIDE PANEL MESH
3	1	D5366-37	SIDE PANEL POCKET
4	1	D5366-39	DOOR STRAP



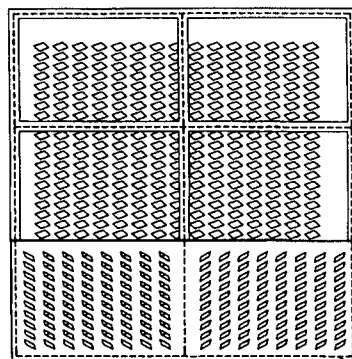
D5366-049 SIDE PANEL ASSY
(EXPLODED VIEW)

NOTES:

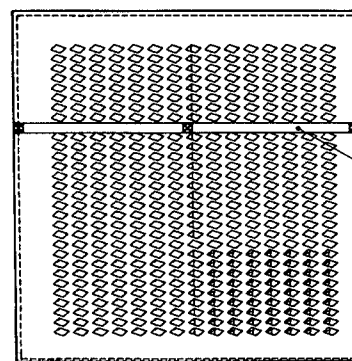
- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH 0.8" X 0.8" BOX "X" STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DD	D5366	SHEET 13 OF 15
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
DATE	16.06.09	COPYRIGHT © 2016 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

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2016 JUN 23



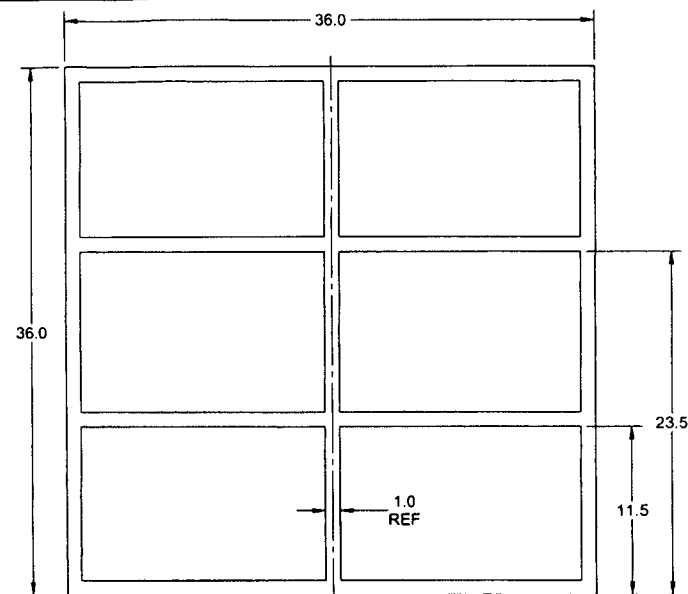
D5366-049 SIDE PANEL ASSY
(EXTERIOR VIEW)



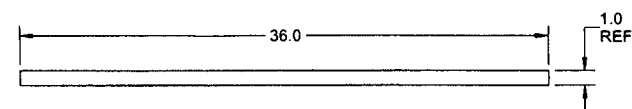
D5366-049 SIDE PANEL ASSY
(INTERIOR VIEW)

0.8 X 0.8 BOX 'X' STITCH
3 PL

D5366-39



D5366-33 SIDE PANEL WEBBING



D5366-39 DOOR STRAP

NOTES:

- 1) MATERIAL: D5366-33: WEBBING MATERIAL: 1" NYLON, MIL-W-4088, TYPE XVII, CLASS 1 OR 1A, COLOR BLACK
THREAD: NYLON THREAD TO BE USED FOR ALL SEAMS CONFORMING TO V-T-295 TYPE II
(OR A-A-59826) CLASS A, SIZE FF, COLOR BLACK
D5366-39: WEBBING MATERIAL: 1" NYLON, MIL-W-4088, TYPE XVII, CLASS 1 OR 1A, COLOR RED
THREAD: NYLON THREAD TO BE USED FOR ALL SEAMS CONFORMING TO V-T-295 TYPE II
(OR A-A-59826) CLASS A, SIZE FF, COLOR BLACK

- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
0.8" X 0.8" BOX 'X' STITCHING TYPICAL AT ALL WEBBING INTERSECTIONS
- 9) D5366-35 SIDE PANEL MESH AND D5366-37 SIDE PANEL POCKET SEWN TO D5366-33 SIDE PANEL WEBBING WITH TRIPLE CONTINUOUS STITCH
CENTERED ON WEBBING, 0.4 SPACING (PER DETAIL A, SHEET 2).

APPROVED

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DD	D5366	SHEET 14 OF 15
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
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2016 JUN 23

8 7 6 5 4 3 2 1

D

C

B

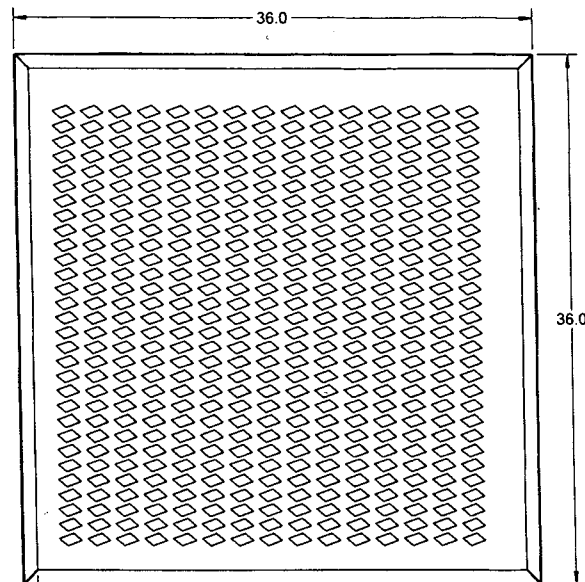
A

D

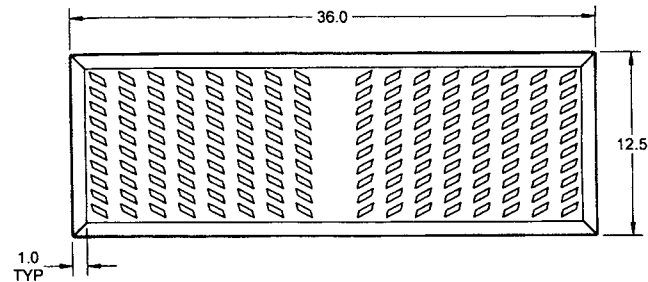
C

B

A



D5366-35 SIDE PANEL MESH



D5366-37 SIDE PANEL POCKET

RELEASED

2016 JUN 23 *qf*

NOTES:

- 1) MATERIAL: 100% H.T. NYLON MESH BLACK (NOM. 12 X 24 HOLES PER INCH), 0.045 THICK, STYLE TP21J (APEX MILLS CORPORATION) OR MARION #8885
- 2) FINISH: NONE
- 3) TOLERANCES: PER TABLE 1, SH 1, UNLESS OTHERWISE STATED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

APPROVED

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DD	D5366	SHEET 15 OF 15
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	AW139 CARGO NET	NTS
DATE	16.06.09	COPYRIGHT © 2016 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

8 7 6 5 4 3 2 1



160 Milner Avenue, Toronto, ON M1S 3R3, CANADA
Tel: 416-412-7144 / 1-888-412-7144 Fax: 416-412-7145
Email: sales@ctscargotiedown.com
Website: www.ctscargotiedown.com

Customer Name	Purchase Order Number	Packing slip No.	Purchase Date (MM-DD-YYYY)
TULMAR SAFETY SYSTEMS INC.	30132-00	186030	05-18-2016

Certificate of Compliance – Hardware/Webbing

Qty.	Item No.	Description	WORKING LOAD LIMIT (LBS)	BREAKING STRENGTH (LBS)	Country of Origin
330	P6002-50	2" POLYESTER WEBBING, COLOUR: RED		6,000	CN
330	P2502-25	1" POLYESTER WEBBING, COLOUR: RED		2,500	CN

• D5256-041
• D5256-5

DAS
16
9-89

I hereby certify that the goods listed hereon have been inspected and/or tested, as applicable, and conform to all specifications and requirements detailed in the contract or purchase order and relevant quality clauses. This report is applicable only to the sample or samples tested. Rework of this product may alter these results.

Signed by: JCT

Design Factor

The design factor for tie downs shall be a minimum of 3.

Proof Test

Has been test to a minimum of one and one half (1.5) times the working load limit (WLL).

MAY 24 2016



22038-001

B#1

Toll Free: 1-800-989-APEX
Fax: 516-239-4951
www.apexmills.com

May 20, 2016

Tulmar Safety Systems
1123 Cameron Street
Hawkesbury, ON K6A 2B8
CANADA



Problem Shared,
Problem Solved.™

168 Doughty Blvd.
Inwood, NY 11096
USA

Certificate of Conformance

Part Number	1753-001
Style	TP21J
Color	Black
PO	30129-00
Yardage	130 yds.
Lot Number	F23872

DMS
16
9-89

This is to certify that the material listed above was tested and passed FAR25.853.

Jeremy Schlussel

Quality Control Specialist

JS:db

1753-001
B #1

MAY 31 2016



Clc's used to mfg.

Cargo Net, NW139

D139-1012-041 Rev.B.

Loraine Laliberte June 24/16



Bally Ribbon Mills

23 North 7th St. Bally PA 19503

p 610.845.2211 f 610.845.8013

06/02/16

CERTIFICATE

Number: 237437-7596

Qualified Lab - List No. 1935

Customer	TULMAR SAFETY SYSTEMS	Memo No.	431476
Purchase Order No.	30196-00	Shipment	
Specifications	MIL-W-4088K TYPE VIIIB CL.1	Shipped Via	FEDX PRIORITY 1
Contract No.	LOT #9C8905 DOM:04/16 UV, MOULD, FUNGUS RESISTANT	MEETS (A) (I) (V)	
		Quantity	108 YD
BALLY RIBBON MILLS	938102000BKFT	Lot Quantity	1247 YDS
Pattern No.	9381-2" BLACK FLAME RESIST. TREATED NYL.		

DAS
16
9-89

CERTIFICATE OF CONFORMANCE

I CERTIFY THAT THIS PATTERN CONFORMS WITH THE PHYSICAL, CHEMICAL AND VISUAL QUALITY REQUIREMENTS OF THE MILITARY SPECIFICATIONS LISTED ABOVE AND THE FAR 25.853(A) APPENDIX F, PART 1, SUBSECTION (A) (1) (II) FLAMMABILITY REQUIREMENTS PER FEDERAL STD. 191, METHOD 5903. NOTE: THIS CERT IS FOR BRM TESTING ONLY AND DOES NOT INDICATE FAA ACCEPTANCE.

Jerome Richards, Quality Assurance Manager



2227-002

B#1

JUN 07 2016



Bally Ribbon Mills

23 North 7th St. Bally PA 19503.

p 610.845.2211 f 610.845.8013

06/02/16

LAB REPORT

Number: 237437-5117

PAGE: 1

Qualified Lab - List No. 1935

Customer: TULMAR SAFETY SYSTEMS

Purchase Order No. 30196-00

Shipped Via FEDX PRIORITY 1

Specifications MIL-W-4088K TYPE VIIIB CL.1
Contract No. UV, MOULD, FUNGUS RESISTANT
DOM: 04/16 LOT: 9C8905

DAS
16
9-89

Memo No. 431476
Shipped Qty 108 YD

BALLY RIBBON MILLS
Pattern No.

938102000BKFT
9381-2" BLACK FLAME RESIST. TREATED NYL.WEBBING

Lot Qty 1247

TESTS TEST RESULTS AVERAGE REQUIREMENT METHOD

FAR 25.853 (a) APPENDIX F
PART 1 SUBSECTION (a) (1) (II),
CHARLENGTH: 1 1/4" 1 3/8" 1 5/16" : 8" MAX
BURN TIME : 5.2S 8.2S 5.6S : 15 SEC MAX
FLAMEDRIPPS: 0 0 0 : 5 SEC MAX
S/E : Y Y Y : S/E
FAR 29.853, (a) (1) (V)
BURN RATE 0 0 0 4"/MIN MAX

WIDTH	2.031	2	1.960	2.015	1.984	1.9996	2" +/- 1/16"	5020
	2	2	1.960	1.984	2	1.9904		
	2.031	2.015	2	2	2.015	2.0122		
THICKNESS	.052	.052	.053	.053	.053	.0526	.040" TO .070"	5030
	.053	.052	.052	.053	.052	.0524		
	.052	.053	.053	.052	.052	.0524		
WEIGHT	1.67	1.676	1.679	1.674	1.676	1.675	1.80 OZ/YD. MAXIMUM	5041
	1.676	1.674	1.678	1.674	1.67	1.6744		
	1.674	1.676	1.671	1.676	1.674	1.6742		
FACE AND BACK WARP ENDS	192	192	192	192	192	192	192 ENDS MINIMUM	5050
	192	192	192	192	192	192		
	192	192	192	192	192	192		
840 DENIER NYLON, 2 PLY, BRT HIGH TENACITY HEAT & LIGHT RESISTANT, NYLON 6.6								
GROUND YARN DENIER	840	840				840	840 DENIER	4021 1/
	840	840				840		
	840	840				840		
GROUND YARN TWIST/INCH	2.5	2.5				2.5	2 1/2 TPI MINIMUM	4054 2/
	2.5	2.5				2.5		
	2.5	2.5				2.5		
GROUND YARN PLY	2	2				2	2 PLY	VISUAL
	2	2				2		
	2	2				2		
PICKS PER INCH	18	18	18	18	18	18	18 PICKS MINIMUM	5050
	18	18	18	18	18	18		
	18	18	18	18	18	18		
840 DENIER NYLON, 2 PLY, BRT HIGH TENACITY HEAT & LIGHT RESISTANT, NYLON 6.6								
FILL YARN DENIER	840	840				840	840 DENIER	4021 1/
	840	840				840		
	840	840				840		
FILL YARN TWIST/INCH	2.5	2.5				2.5	2 1/2 TPI MINIMUM	3.3.1.2
	2.5	2.5				2.5		
	2.5	2.5				2.5		

Continued on Next Page



Bally Ribbon Mills

23 North 7th St. Bally PA 19503

p 610.845.2211 f 610.845.8013

06/02/16

LAB REPORT

Number: 237437-5117

PAGE: 2

Qualified Lab - List No. 1935

Customer TULMAR SAFETY SYSTEMS

Purchase Order No. 30196-00

Shipped Via FEDX PRIORITY 1

Specifications MIL-W-4088K TYPE VIIIB CL.1
Contract No. UV, MOULD, FUNGUS RESISTANT
DOM: 04/16 LOT: 9C8905

DAS
16
9-89

Memo No. 431476
Shipped Qty 108 YD

BALLY RIBBON MILLS 938102000BKFT
Pattern No. 9381-2" BLACK FLAME RESIST, TREATED NYL WEBBING

Lot Qty 1247

-----TESTS-----		*-----TEST RESULTS-----*						AVERAGE	*---REQUIREMENT---	METHOD
FILL YARN PLY		2	2					2	2 PLY	VISUAL
		2	2					2		
		2	2					2		
BREAKING STRENGTH		5464	5743	5831	5744	5569	5670.2	4500 LBS MINIMUM	4108	
		5376	5763	5504	5642	5649	5586.8			
		5744	5669	5591	5718	5595	5663.4			
WEAVE	PASS								PASS OR FAIL	VISUAL
WEAVE	PASS								PASS OR FAIL	VISUAL
WEAVE	PASS								PASS OR FAIL	VISUAL
WEAVE	TWO UP, TWO DOWN HERRINGBONE TWILL W/ONE CENTER REVERSAL								PASS OR FAIL	VISUAL
COLORFASTNESS/WET CROCK		5					5	3.5 MINIMUM RATING	5651	
		5					5			
		5					5			
COLORFASTNESS/DRY CROCK		5					5	3.5 MINIMUM RATING	5651	
		5					5			
		5					5			
COLORFASTNESS/LIGHT (FADE)	GOOD							GOOD	5660	
COLORFASTNESS/LIGHT (FADE)	GOOD							GOOD	5660	
COLORFASTNESS/LIGHT (FADE)	GOOD							GOOD	5660	
COLORFASTNESS/LIGHT (FADE)	XENON							GOOD	5660	
COLORFASTNESS/LAUNDERING	FAIR							FAIR	5614 2/	
COLORFASTNESS/LAUNDERING	FAIR							FAIR	5614 2/	
COLORFASTNESS/LAUNDERING	FAIR							FAIR	5614 2/	
CURVATURE		.156	.187	.187	.125	.218	.1746	.25" MAXIMUM	4.5.1	
		.218	.0937	.218	.0937	.156	.1559			
		.156	.0937	.125	.125	.0937	.1187			
PH		6.49	6.49				6.49	5.0 TO 8.5	2811	
		6.14	6.14				6.14			
		6.38	6.38				6.38			
NYLON YARN	PASS								PASS OR FAIL	3.3.1
NYLON YARN	PASS								PASS OR FAIL	3.3.1
NYLON YARN	PASS								PASS OR FAIL	3.3.1
NON BLEACHING	NONE								NONE	3.3.1
NON BLEACHING	NONE								NONE	3.3.1
NON BLEACHING	NONE								NONE	3.3.1
NYLON MELTING POINT		484	482				483		1534	
		482	484				483			
		484	482				483			



LAB REPORT

PAGE: 3

Number: 237437-5117

Bally Ribbon Mills
23 North 7th St. Bally PA 19503
p 610.845.2211 f 610.845.8013

06/02/16

Qualified Lab - List No. 1935

Customer TULMAR SAFETY SYSTEMS

Purchase Order No. 30196-00

Shipped Via FEDX PRIORITY 1

Specifications: MIL-W-4088K TYPE VIII CL.1
Contract No. UV, MOULD, FUNGUS RESISTANT
DOM: 04/16 LOT: 9C8905

DAS
16
9-89

Memo No. 431476
Shipped Qty 108 YD

BALLY RIBBON MILLS 938102000BKFT
Pattern No. 9381-2" BLACK FLAME RESIST. TREATED NYL WEBBING

Lot Qty 1247

-----TESTS----- *-----TEST RESULTS-----* AVERAGE *-----REQUIREMENT-----* METHOD

I certify that the above tests were performed under my supervision in accordance with the specification test requirements and that the reported test results are true, valid and applicable to the samples tested.

JUN 07 2016

27

Jerome Richards

2227-002

3#1

Jerome Richards, Quality Assurance Manager

05/13/08
Qualified Lab
List No. 1935
(610)-845-2211

B A L L Y R I B B O N M I L L S

PAGE: 1

23 N. 7th Street
Bally, PA 19503

REPORT # 129125-6051

Customer	TULMAR SAFETY SYSTEMS	DAS	
Purchase Order No.	14032-00	16	Shipped Via UPS COLLECT
Specifications	MIL-W-4088K TYPE XVII CLASS 1A	9-89	Memo No. 320861
Contract No.	P/N 2262-002		Shipped Qty 190 YD
	UV, MOULD, FUNGUS RESISTANT		
	DOM: 05/08 LOT: 993894		
BALLY RIBBON MILLS		Lot Qty	212
Pattern No.	4028-1" RED #31350 NYLON WEBBING		

-----TESTS-----	*-----TEST RESULTS-----*					AVERAGE	*---REQUIREMENT---	METHOD
FAR 25.853 (a) APPENDIX F PART 1 SUBSECTION (a) (1) (II), CHARLENGTH: 27/32" 29/32" 27/32" : 8" MAX BURN TIME : 0 6.3S 0 : 159EC MAX FLAMEDRIPPS : 0 0 0 : 5 SEC MAX S/E : Y Y Y : S/E								
WIDTH	1 1	1 1	1 1	1 1	1 1	1 1	1" +/-1/16"	5020
THICKNESS	.066 .067	.068 .067	.069 .069	.066 .066	.069 .068	.0676 .0674	.045" TO .070"	5030
WEIGHT	.977 .972	.972 .972	.972 .977	.977 .977	.977 .972	.975 .974	1.15 OZ/YD MAXIMUM	5041
FACE AND BACK WARP ENDS	114 114	114 114	114 114	114 114	114 114	114 114	114 ENDS MINIMUM	5050
840 DENIER NYLON,2 PLY,BRT.HIGH TENACITY HEAT & LIGHT RESISTANT, NYLON 6.6								
GROUND YARN DENIER	840 840	840 840				840 840	840 DENIER	4021 1/
GROUND YARN TWIST/INCH	2.5 2.5	2.5 2.5				2.5 2.5	2 1/2 TPI MINIMUM	4054 2/
GROUND YARN PLY	2 2	2 2				2 2	2 PLY	VISUAL
PICKS PER INCH	32 32	32 33	33 33	33 32	32 32	32.4 32.4	30 PICKS MINIMUM	5050
840 DENIER NYLON,1 PLY,BRT.HIGH TENACITY HEAT & LIGHT RESISTANT, NYLON 6.6 CATCHCORD - 70 DENIER BLACK POLYESTER								
FILL YARN DENIER	840 840	840 840				840 840	840 DENIER	4021 1/
FILL YARN PLY	1 1	1 1				1 1	1 PLY	VISUAL
BREAKING STRENGTH	3720 3760	3860 3760	3820 3720	3800 3820	3780 3780	3796 3768	2500 LBS. MINIMUM	4108
WEAVE	PASS						PASS OR FAIL	VISUAL
WEAVE	PASS						PASS OR FAIL	VISUAL
WEAVE	TWO UP, TWO DOWN HERRINGBONE TWILL W/ONE CENTER REVERSAL						PASS OR FAIL	VISUAL
COLORFASTNESS/CROCKING	4 4					4 4	3.5 MINIMUM RATING	5651

Continued on Next Page

05/13/08
Qualified Lab
List No. 1935
(610)-845-2211

B A L L Y R I B B O N M I L L S

23 N. 7th Street
Bally, PA 19503

PAGE: 2

REPORT # 129125-6051

Customer	TULMAR SAFETY SYSTEMS	DAS
		16
Purchase Order No.	14032-00	9-89
		Shipped Via UPS COLLECT
Specifications	MIL-W-4088K TYPE XVII CLASS 1A	Memo No. 320861
	P/N 2262-002	
Contract No.	UV, MOULD, FUNGUS RESISTANT	Shipped Qty 190 YD
	DOM: 05/08 LOT: 993894	
BALLY RIBBON MILLS		Lot Qty 212
Pattern No.	4028-1" RED #31350 NYLON WEBBING	

-----TESTS-----		*-----TEST RESULTS-----*						AVERAGE	*---REQUIREMENT---	METHOD
COLORFASTNESS/LIGHT	GOOD							GOOD		5660
COLORFASTNESS/LIGHT	GOOD							GOOD		5660
COLORFASTNESS/LAUNDERING	FAIR							FAIR		5614 2/
COLORFASTNESS/LAUNDERING	FAIR							FAIR		5614 2/
CURVATURE		.125	.093	.125	.156	.125	.1248	.25" MAXIMUM		4.5.1
		.093	.093	.125	.125	.156	.1184			
PH		6.4	6.4				6.4	5.0 TO 8.5		2811
		6.4	6.4				6.4			
NYLON TARN	PASS							PASS OR FAIL		3.3.1
NYLON TARN	PASS							PASS OR FAIL		3.3.1
NYLON MELTING POINT		484	482				483			1534
		482	484				483			
NON BLEACHING	NONE							NONE		3.4.3 1/
NON BLEACHING	NONE							NONE		3.4.3 1/

I certify that the above tests were performed under my supervision in accordance with the specification test requirements and that the reported test results are true, valid and applicable to the samples tested.

Jerome Richards
Jerome Richards, Quality Control Manager

Qualified Lab
List No. 1935
(610)-845-2211

BALLY RIBBON MILLS

23 N. 7th Street
Bally, PA 19503

05/13/08

Customer	TULMAR SAFETY SYSTEMS	Shipment	
Purchase Order No.	14032-00	Shipped Via	UPS COLLECT
Specifications	MIL-W-4088K TYPE XVII CLASS 1A P/N 2262-002	Memo No.	320861
Contract No.	UV, MOULD, FUNGUS RESISTANT LOT#993894 DOM:05/08	Quantity	190 YD
		DAS 16 9-89	
BALLY RIBBON MILLS Pattern No.	4028-1" RED #31350 NYLON WEBBING		

CERTIFICATE OF CONFORMANCE

I certify that this pattern conforms with the physical, chemical, and visual quality of the Military Specifications listed above.



JEROME RICHARDS
QUALITY ASSURANCE MANAGER

⑤
T2s # 2262-002/01



Bally Ribbon Mills
23 North 7th St. Bally PA 19503
p 610.845.2211 f 610.845.8013

03/07/16

CERTIFICATE

Number: 228822-5349

Qualified Lab - List No. 1935

Customer	TULMAR SAFETY SYSTEMS	Memo No.	428469
Purchase Order No.	29841-00	Shipment	
Specifications	MIL-W-4088K CLASS 1 TYPE XVII COLOR CHIP #37030 P/N TSS2262B	Shipped Via	FEDEX ECONOMY
Contract No.	LOT #9C5759 DOM:08/15 UV, MOULD, FUNGUS RESISTANT	Quantity	700 YD
BALLY RIBBON MILLS	894101000BK	Lot Quantity	1480 YDS
Pattern No.	8941-1" BLACK NYLON WEBBING	DAS	
		16	
		9-89	

CERTIFICATE OF CONFORMANCE

I CERTIFY THAT THIS PATTERN CONFORMS WITH THE PHYSICAL, CHEMICAL AND VISUAL QUALITY REQUIREMENTS OF THE MILITARY SPECIFICATIONS LISTED ABOVE AND THE FAR 25.853(A), APPENDIX F, PART 1, SUBSECTION (A) (1) (IV).

NOTE: THIS CERT IS FOR BRM TESTING ONLY AND DOES NOT INDICATE FAA ACCEPTANCE.

Jerome Richards, Quality Assurance Manager

MAR 31 2016

2262-B
B#19





Bally Ribbon Mills

23 North 7th St. Bally PA 19503

p 610.845.2211 f 610.845.8013

03/07/16

LAB REPORT

Number: 228822-2256

PAGE: 1

Qualified Lab - List No. 1935

Customer	TULMAR SAFETY SYSTEMS		
Purchase Order No.	29841-00	Shipped Via	FEDEX ECONOMY
Specifications	MIL-W-4088K CLASS 1 TYPE XVII COLOR CHIP #37030 P/N TSS2262B	Memo No.	428469
Contract No.	UV, MOULD, FUNGUS RESISTANT DOM: 08/15 LOT: 9C5759	Shipped Qty	700 YD
BALLY RIBBON MILLS	894101000BK	Lot Qty	1480
Pattern No.	8941-1" BLACK NYLON WEBBING		

DAS
16
9-89

TESTS TEST RESULTS AVERAGE REQUIREMENT METHOD

FAR 25.853 (a) APPENDIX F
PART 1 SUBSECTION (a) (1) (IV),
BURN RATE 0 0 0 2 1/2" / 1 MIN MAX

WIDTH	.984 .968 .968	.968 .953 1	.968 .968 1	1 .968 .984	.984 .984 .968	.9808 .9682 .984	1" +/- 1/16"	5020
THICKNESS	.058 .062 .06	.062 .059 .06	.065 .066 .059	.066 .067 .064	.065 .062 .061	.0632 .0632 .0608	.045" TO .070"	5030
WEIGHT	.934 .956 .954	.959 .96 .958	.954 .938 .961	.959 .954 .959	.938 .934 .954	.9488 .9484 .9572	1.15 OZ/YD MAXIMUM	5041
FACE AND BACK WARP ENDS	114 114 114	114 114 114	114 114 114	114 114 114	114 114 114	114 114 114	114 ENDS MINIMUM	5050
840 DENIER NYLON, 2 PLY, BRT HIGH TENACITY HEAT & LIGHT RESISTANT, NYLON 6.6								
GROUND YARN DENIER	840 840 840	840 840 840				840 840 840	840 DENIER	4021 1/
GROUND YARN TWIST/INCH	2.5 2.5 2.5	2.5 2.5 2.5				2.5 2.5 2.5	2 1/2 TPI MINIMUM	4054 2/
GROUND YARN PLY	2 2 2	2 2 2				2 2 2	2 PLY	VISUAL
PICKS PER INCH	16.5 17 17.5	16.5 17 16.5	17 17 17.5	17 16.5 17	17.5 17.5 16.5	16.9 17 17	15 PICKS MINIMUM	5050
840 DENIER NYLON, 2 PLY, BRT HIGH TENACITY HEAT & LIGHT RESISTANT, NYLON 6.6								
FILL YARN DENIER	840 840 840	840 840 840				840 840 840	840 DENIER	4021 1/
FILL YARN PLY	2 2 2	2 2 2				2 2 2	2 PLY	VISUAL
BREAKING STRENGTH	3184 3601 3469	3640 3553 3674	3070 3404 3454	3557 3195 3273	3557 3219 3551	3401.6 3394.4 3484.2	2500 LBS MINIMUM	4108

Continued on Next Page



LAB REPORT

PAGE: 2

Bally Ribbon Mills
23 North 7th St. Bally PA 19503
p 610.845.2211 f 610.845.8013

03/07/16

Qualified Lab - List No. 1935

Customer TULMAR SAFETY SYSTEMS

Purchase Order No. 29841-00

Shipped Via FEDEX ECONOMY

Specifications MIL-W-4088K CLASS 1 TYPE XVII
COLOR CHIP #37030 P/N TSS2262B
Contract No. UV, MOULD, FUNGUS RESISTANT
DOM: 08/15 LOT: 9C5759

DAS
16
9-89

Memo No. 428469

Shipped Qty 700 YD

BALLY RIBBON MILLS 894101000BK
Pattern No. 8941-1" BLACK NYLON WEBBING

Lot Qty 1480

-----TESTS----- *-----TEST RESULTS-----* AVERAGE *---REQUIREMENT---* METHOD

WEAVE	PASS						PASS OR FAIL	VISUAL
WEAVE	PASS						PASS OR FAIL	VISUAL
WEAVE	PASS						PASS OR FAIL	VISUAL
WEAVE	TWO UP, TWO DOWN HERRINGBONE TWILL W/ONE CENTER REVERSAL						PASS OR FAIL	VISUAL
COLORFASTNESS/WET CROCK	5					5	3.5 MINIMUM RATING	5651
	5					5		
	5					5		
COLORFASTNESS/DRY CROCK	5					5	3.5 MINIMUM RATING	5651
	5					5		
	5					5		
COLORFASTNESS/LIGHT (FADE) GOOD							GOOD	5660
COLORFASTNESS/LIGHT (FADE) GOOD							GOOD	5660
COLORFASTNESS/LIGHT (FADE) GOOD							GOOD	5660
COLORFASTNESS/LIGHT (FADE) XENON							GOOD	5660
COLORFASTNESS/LAUNDERING FAIR							FAIR	5614 2/
COLORFASTNESS/LAUNDERING FAIR							FAIR	5614 2/
COLORFASTNESS/LAUNDERING FAIR							FAIR	5614 2/
CURVATURE	.156 .125 .125 .156 .218 .156 .25" MAXIMUM 4.5.1							
	.125 .156 .187 .25 .156 .1748							
	.125 .156 .093 .125 .156 .131							
PH	6.01 6.01 5.86 5.86 5.89 5.89					6.01 5.0 TO 8.5 2811		
						5.86		
						5.89		
NYLON YARN	PASS						PASS OR FAIL	3.3.1
NYLON YARN	PASS						PASS OR FAIL	3.3.1
NYLON YARN	PASS						PASS OR FAIL	3.3.1
NON BLEACHING	NONE						NONE	3.3.1
NON BLEACHING	NONE						NONE	3.3.1
NON BLEACHING	NONE						NONE	3.3.1
NYLON MELTING POINT	484 482 482 484 482					483 483 483		1534

I certify that the above tests were performed under my supervision in accordance with the specification test requirements and that the reported test results are true, valid and applicable to the samples tested.

MAR 31 2016



Jerome Richards, Quality Assurance Manager



cansew inc.

formerly / anciennement
Canadian Sewing Supply Ltd. / Liée — established / établie 1924

Manufacturers of sewing threads / Wholesalers of elastics, Velcro, tapes, trimmings
Fabricants de fils à coudre / Grossistes d'élastiques, Velcro, galons, garnitures

10 May 2010

Tulmar Safety Systems
1123 Cameron Street
Hawksbury, Ontario
K6A 2B8

Att. Sandra Nadeau

CERTIFICATE OF COMPLIANCE

This is to certify that the item mentioned below, shipped to Tulmar Safety Systems by CANSEW INC. on 10 May 2010, has been produced in accordance with the conditions set forth in Purchase Order no. 17817-00 of the same day:

-Bonded Nylon CB138 tex 135 — 10.40 lb. colour black, lot # 188476

The product meets the requirements of specification V-T-295, Type 2, Class A, Size FF.

DAS
16
9-89

Yours truly,

Hershie Schachter
CANSEW INC.

MONTREAL - Head Office/Siège social
111 Chabanel W/O H2N 1C9
Administration (514) 382-2807
Commands/Orders (514) 382-2801
1-800-361-7722
FAX: (514) 385-5530

TORONTO
28 Apex Rd. M6A 2V2
(416) 782-1122
1-800-387-8584
FAX: (416) 782-8358

WINNIPEG
1674 Church Ave. R2X 2W9
(204) 942-4264
1-800-605-0701
FAX: (204) 947-8280

CALGARY
3932 - 29th St. N.E. T1Y 6B6
(403) 291-4494
1-800-667-4197
FAX: (403) 291-5139

VANCOUVER
1615 Venables St. V5L 2H1
(604) 682-4341
1-800-580-0737
FAX: (604) 682-4196

info@cansew.ca

www.cansew.ca

TS 2547/05

ACWCANADA

1192 Kingston Road Pickering, Ontario, Canada L1V 1B4
Toll Free: 1-800-545-9751 Local: 905-839-2247 Fax: 905-839-2336
www.acwcanada.ca

MEAGAN BOCKING
TULMAR SAFETY SYSTEMS
1123 CAMERON STREET
HAWKESBURY, ONTARIO
K6A 2B8

AUGUST 13. 2014

TO WHOM IT MAY CONCERN:

THIS CERTIFICATION COVERS SHIPMENT ON OUR INVOICE # 20285

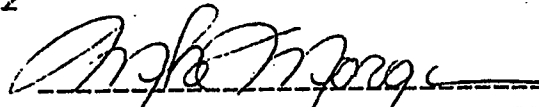
DATED 08/13/2014 AGAINST YOUR ORDER # PO# 27600-00

MATERIAL SHIPPED AGAINST THIS INVOICE COMPLY WITH APPLICABLE

SPECIFICATIONS LISTED BELOW:

DAS
16
9-89

S/N 91596 PATT# CSR-1" BLACK, ACETAL SIDE RELEASE
BUCKLE. MATERIAL DOES NOT SUPPORT FUNGUS GROWTH.
COMPLIES WITH FAR SECTION 25.853 (A) APPENDIX F,
PART (A) (1) (IV). MIN.BREAK STRENGHT 230 LBS.
RETAINING CHARACTERISTICS OVER THE TEMPERATURE
RANGE -60 TO +160 DEGREES F.
TSS 4152



AUTHORIZED SIGNATURE AND TITLE

MIKE MORGAN
CANADIAN SALES MANAGER

TSS 4152 /12 (L)



May 11, 2016

TULMAR SAFETY SYSTEMS
1123 CAMERON STREET
HAWKSBURY, ONTARIO
K6A 2B8

CERTIFICATE OF COMPLIANCE

This is to certify that the item mentioned below, shipped to Tulmar Safety Systems by Cansew Inc. on May 10, 2016, has been produced in accordance with the requirements of Purchase Order no. 30118-00 of the same date:

- NB CBB92 LB; Cansew Nylon – Qty 22.50 lbs, Colour: Black
LOT #: F78828

DAS
16
9-89

Description

Thread, Nylon, Twisted, Black, A-A-59826, TY2, CLA, Size F, CBB92, (Supercedes V-T-295)

Hazardous Materials Acknowledgement	The items described below may contain, and their processing may have include, the following substances:	Hexavalent Chromium: Cadmium: Beryllium; Nickel; Mercury; Lead; Asbesotos; Radioactive elements YES NO ●
Country of Origin of Goods: USA		
Limited Shelf-Life	<u>Definition:</u> If material is consumed or transformed into final product before end of shlf-life there is no effect on final product.	These items have limited Shelf-Life YES NO ●
Expiry date	<u>Definition:</u> Date after which performance will no longer be as intended – expiration is transferred to the final product.	These items have expiry date YES NO ●

Yours truly,

Richard Doré
Sales Manager

MONTREAL
111 Chabanel W. H2N 1C9
Tel. (514) 382-2801
1-800-361-7722
Fax: (514) 385-5530
E-mail: info@cansew.ca
www.cansew.ca

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28 Apex Rd. M6A 2V2
(416)782-1122
1-800-387-8584
(416)782-8358
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1674 Church Ave. R2X 2W9
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VANCOUVER
1217 East Georgia St. V6A 2A9
(604)682-4341
1-800-580-0737
(604)682-4196
info@cansew.ca

TSS 2530 B/55



cansew inc.

formerly / anciennement
Canadian Sewing Supply Ltd. / Liée - established / établie 1924

Manufacturers of sewing threads. / Wholesalers of elastics, Velcro, tapes, trimmings.
Fabricants de fils à coudre. / Grossistes d'élastiques, Velcro, galons, garnitures.

10 May 2010

Tulmar Safety Systems
1123 Cameron Street
Hawksbury, Ontario
K6A 2B8

Attn: Sandra Nadeau

CERTIFICATE OF COMPLIANCE

This is to certify that the item mentioned below, shipped to Tulmar Safety Systems by CANSEW INC. on 10 May 2010, has been produced in accordance with the conditions set forth in Purchase Order no. 17817-00 of the same day:

-Bonded Nylon CB138 tex 135 - 10.40 lb. colour black, lot # 188476

The product meets the requirements of specification V-T-295, Type 2, Class A, Size FF.

Yours truly,

Hershie Schachter
CANSEW INC.

DAS
16
9-89

MONTREAL - Head Office/Siège social
111 Chabanel W/O H2N 1C9
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1-800-580-0737
FAX: (604) 682-4196

info@cansew.ca

www.cansew.ca

TS

2547/05



TULMAR

Certificate of Conformance

Tulmar P/N 32019-001	Description Red white 1375" Label Black Thermal Ink, inc. 12 Fitness 304, 2300000T & H3111	Dwg. #	Revision	Qty. 1/12
Tulmar PO # 26439	Line Item # Supplier Name / Address 15178 Collections Center Drive Chicago, IL 60695	Supplier Packing Slip # 4448636435		

Supplier Declarations:

Hazardous Materials Acknowledgement	The items described below may contain, and their processing may have included, the following substances:	Hexavalent Chromium; Cadmium; Beryllium; Nickel; Mercury; Lead; Asbestos; Radioactive elements YES ☐ NO ☒
Country of Origin of Goods:	Japan	If YES, please complete the HazMat Acknowledgement form @ www.tulmar.com
Limited Shelf-Life	Definition: If material is consumed or transformed into final product before end of shelf-life there is no effect on final product.	These items have a limited Shelf-Life YES ☒ NO ☐ If YES, please complete the Time Expired - Shelf-Life questionnaire @ www.tulmar.com
Expiry date	Definition: Date after which performance will no longer be as intended - expiration is transferred to the final product.	These items have an expiry date YES ☐ NO ☒

Additional Information (MRS#, MRA#, limitations, etc...):

Shelf life is two years from date of manufacture.

I hereby certify that the goods listed hereon have been inspected and/or tested, as applicable, and conform to all specifications and requirements detailed in the contract or purchase order and relevant quality clauses. Objective evidence to support this statement is on file and can be made available upon request. Should further information be required, please contact:

Signature 	Name Bethany Corley	Date (dd-mm-yyyy) 22-NOV-2013
Title QC Manager	Email bethany.corley@tulmar.com	Phone # 528-758-2338 x436

Form Revision 13 Aug 2012

22019-001/08



Avery Juarez
Av. Adolfo Lopez Mateos 2455 | Col. Partido Iglesias | Cd. Juarez, Chih

CERTIFICATE OF CONFORMANCE

I certify that the article(s) shipped:

- Conform(s) to all applicable drawing dimensions and specifications.
- Meets all the requirements of your purchase order.

This includes all labels produced for

Customer: TULMAR

<u>Item No.</u>	<u>Item description</u>	<u>Order Number</u>	<u>Quantity</u>
10D011620	See below	PO: 29709-00	15 rolls

Ink, Thermal Transfer Ribbon black, 1^{1/2} wide, HS1111

Remarks: _____

Guillermo Ramirez

03/17/2016

Certifying Manager

DATE

MAR 18 2016



22019-500
B #39

Please insert your company letter head
& Complete address

Certificate of Compliance

DATE: 2/21/08
OUR PROD. NO.: 208008307
CUSTOMER P/O NO.: 13776-01
CUSTOMER: Tulmar Safety Systems Inc.
PRODUCT: Tintex Tape 4800WT 3/4"
QTY. SHIPPED: 5010 yds.
LOT NO.: N/A
MFG DATE: 2/19/08
ROLL NO.: N/A
SHELF LIFE: 1 year
We certify that the product,

was manufactured, inspected and Conforms to specifications
applicable to the product.

Signature: *Chris McHester*

Title: *Supervisor*

MFG. by: *Tulmar Safety Systems Inc.*
Hawkesbury, Ontario CANADA

TSS 87251-002

Strap, FWD Side # D5289-043

QTY: 1

MFG. by: *Tulmar Safety Systems Inc.*
Hawkesbury, Ontario CANADA

TSS 87251-001

Strap, Side Cinch # D5289-041

QTY: 6

MFG. by: *Tulmar Safety Systems Inc.*
Hawkesbury, Ontario CANADA

TSS 87251-004

Strap, AFT Side # D5289-047

QTY: 1

MFG. by: *Tulmar Safety Systems Inc.*
Hawkesbury, Ontario CANADA

TSS 87252-001

Cargo Net # D5366-041

QTY: 1

MFG. by: *Tulmar Safety Systems Inc.*
Hawkesbury, Ontario CANADA

TSS 87250-002

Strap, Cinch # D5256-3 (041)

QTY: 2

MFG. by: *Tulmar Safety Systems Inc.*
Hawkesbury, Ontario CANADA

TSS 87251-003

Strap, MID Side # D5289-045

QTY: 1

MFG. by: *Tulmar Safety Systems Inc.*
Hawkesbury, Ontario CANADA



TSS 87250-001
Strap, Tie Down # D5256-1 (041)
QTY: 4